# Progress Report August 31, 2009 through October 2, 2009 for

West Riser Tide Gate Sediment Removal Action Wood-Ridge and Carlstadt, New Jersey

(USEPA No. NJD980529879)

October 12, 2009

Prepared for:

Morton International, Inc.

Prepared by:

**PARSONS** 

#### **Table of Contents**

Section 1 - Introduction	I-I
Section 2 – Remedial Actions Summary	
2.1 Remedial Actions Status	
2.2 Deviations and Modifications	2-1
2.3 Remedial Actions to be Performed Next Period	2-1
2.4 Schedule of Remedial Activities	2-2
2.5 Problems or Delays	2-2
Section 3 - Permit Application Status	3-1
Section 4 - Sampling Results and Waste Generated	4-1
4.1 Sampling Results	4-1
4.2 Waste Generated	4-1

#### **Tables**

- Table 1 Remedial Actions between August 31, 2009 and October 2, 2009
- Table 2 Permit Application Status as of October 2, 2009
- Table 3 Berry's Creek/West Riser Surface Water Sampling Results (Mercury and Total Suspended Solids)

#### **Attachments**

- Attachment 1 Schedule of West Riser SRAWP Activities
- Attachment 2 Construction Water Treatment Plant Sampling Results
- Attachment 3 Analytical Testing for Imported Materials

#### Section 1 – Introduction

This progress report for the West Riser Tide Gate Sediment Removal Action located in the Boroughs of Wood-Ridge and Carlstadt, New Jersey summarizes the status of remedial actions being performed as described in the West Riser Sediment Removal Action Work Plan (SRAWP), approved by the United States Environmental Protection Agency (USEPA) on September 9, 2009. The progress report covers the period from August 31, 2009 to October 2, 2009. The progress report is being submitted pursuant to the Administrative Consent Order (ACO) between Morton International, Inc. and the USEPA as well as the monthly progress reporting requirements of the SRAWP. This report has been prepared in a similar format as that used for the remedial action underway at the adjacent Ventron/Velsicol site.

The components of the remedial action presented in the SRAWP are as follows:

- Cofferdam construction
- By-pass pumping system installation and operation
- Monitoring
- Sediment removal; and
- Site restoration

The progress report is organized as follows:

- Section 1 Introduction:
- Section 2 Remedial Actions Summary;
- Section 3 Permitting Application Status;
- Section 4 Sampling Results and Waste Generated; and
- Section 5 Cost Summary.

# Section 2 - Remedial Actions Summary

#### 2.1 Remedial Actions Status

This section summarizes the status of remedial actions at the Site for the reporting period. **Table 1**, attached, provides a summary of remedial actions and the status of each. Remedial actions performed during this period include:

- Cofferdam Construction:
  - Upstream and downstream cofferdams were installed and the sheets driven to depth.
  - o Five flap gates were installed at the downstream cofferdam to allow upstream water to pass through the cofferdam in an overtopping event.
  - Scour protection was installed at both cofferdams.
- By-pass Pumping System Installation and Operation
  - Six by-pass pumps, consisting of four 12-inch diameter pumps and two 24-inch diameter pumps, were installed
  - o Suction and discharge lines for the six pumps were installed.
  - An energy dissipater pad was installed at bypass discharge and discharge piping was anchored at the energy dissipater.
- Sediment Removal
  - o Sediment removal began on 9/30/09 in Area U. Approximately 20% of the excavation was completed during this period.
- Site Restoration
  - o No site restoration activities were conducted this period.

#### 2.2 Deviations and Modifications

The top of the downstream cofferdam was raised 6-inches in anticipation of very high tides in mid-October. The extension consisted of steel plates welded to the top of the sheet piles. This raised the top of the downstream cofferdam to the same level of the top of the existing tide gate.

No other deviations from or modifications to the SRAWP occurred during this reporting period.

#### 2.3 Remedial Actions to be Performed Next Period

The following remedial actions are scheduled to be performed during the next reporting period (October 2, 2009 to November 6, 2009):

- Cofferdams construction:
  - o Cofferdam removal will begin next period after sediment removal is completed
- By-pass Pumping System Installation and Operation
  - Operation of the by-pass system will continue next period while the cofferdams remain in place.
- Sediment Removal

- o Sediment removal is scheduled to be completed next period.
- Site Restoration
  - o Site restoration will begin next period.

#### 2.4 Schedule of Remedial Activities

The schedule of West Riser SRAW remedial activities at the Site is provided in Attachment 1.

#### 2.5 Problems or Delays

The following problems or delays occurred during the reporting period:

- Difficulties with installation of sheets, pump and piping setup and testing and sealing leaks and seepage through the downstream cofferdam delayed the start of excavation approximately four days. Leakage has been greatly diminished but continues during high tides so a system has been established to isolate the seepage from sediments, allowing the water to be pumped back into Berry's Creek.
- Testing of 24 inch pumps identified difficulties with priming the pumps rapidly. This was solved by installing a high point in the pipes that allowed water to be inserted into the pipes and eliminating air in the line near the pumps.
- Completion of the cofferdams and pumping of water in the West Riser reduced water levels to a point such that surface water samples upstream cannot be collected.

# **Section 3 – Permit Application Status**

The permit application status for the project is presented in **Table 2.** No permit applications were submitted in this progress report period. The Bergen Country Soil and Erosion Control permit approval letter was received during this period.

# Section 4 - Sampling Results and Waste Generated

#### 4.1 Sampling Results

This section summarizes sampling results obtained during the reporting period. Sampling was performed as part of the following programs:

- Construction Water Treatment Plant (CWTP) compliance testing;
- Total suspended solids and mercury (total and dissolved) analysis in Berry's Creek/West Riser; and
- Analytical testing for backfill material.

Testing of treated water from the CWTP was performed in accordance with permit number SRP PI G000004547 dated February 9, 2009. This testing is required on a weekly basis when the plant is discharging effluent. Additionally, testing was performed as required before contact water from the West Riser Sediment Removal Action can be treated and discharged. Testing results are included in Attachment 1.

Testing of Berry Creek/West Riser surface water was conducted according to the water monitoring guidelines of the SRAWP. Total suspended solids and mercury concentration (total and dissolved) data were recorded to identify potential sediment resuspension or transport prior to, during, and after the sediment removal. One water column sample from two locations was taken during ebb and flow tides. The samples were tested for low level mercury and total suspended solids using EPA method 1631 and 160.2 respectively. A baseline monitoring period was established from August 12, 2009 to August 31, 2009 while the construction monitoring period ran from September 1, 2009 through present. A table summarizing the testing results is included as **Table 3**.

Testing was performed on the Dense Grade Aggregate (DGA) that will be used onsite. Analytical testing was performed by Sevenson Environmental of Niagara Falls, New York. This testing is included in **Attachment 2**.

Testing was performed on the Rip Rap and granite fill provided by Tilcon New Jersey and Tilcon New York to be used onsite. Analytical testing was performed by Sevenson Environmental of Niagara Falls, New York. The rip rap, ¾" granite, and 1 ½" granite conform to the quality requirements of section 901 of The New Jersey Department of Tranportation Standard Specifications for Road and Bridge Construction. Testing was also performed this period on backfill provided by Tilcon New York Inc that will be used onsite. Analytical testing was performed by Waste Stream Technology, Inc of Niagara Falls, New York. All of these test results and virgin certification for the stone are included in Attachment 3.

#### 4.2 Waste Generated

There was no waste generated during this reporting period.

Tables

# Table 3 - Berry's Creek/West Riser Surface Water Sampling Results (Mercury and Total Suspended Solids) West Riser Tide Gate Sediment Removal Action Wood-Ridge and Carlstadt, New Jersey

SURFACE		T				T	<u> </u>	TOTAL	
WATER		1				A 4 5 D C L D V			
MONITORING	1	1				MERCURY	MERCURY	SUSPENDED	
			ĺ		SAMPLE	TOTAL	DISSOLVED	souds	
STATION	SAMPLE ID	TIDE	SAMPLE DATE	SAMPLE TIME	DEPTH (Ft)	(ng/L)	(ng/L)	(mg/L)	
SW-01	20090812SW-01V0-1EUFD	Ebb	8/12/2009	14:00	0-1	774	NA	30	
SW-01	20090812SW-01V0-1EUN	Ebb	8/12/2009	14:00	0-1	1040	31.1	31	
SW-01	20090812SW-01V0-1FUN	Flood	8/12/2009	11:35	0-1	773	20.2	27	
SW-02	20090812SW-02V0-1EUN	Ebb	8/12/2009	13:15	0-1	562	24.4	36	
SW-02	20090812SW-02V0-1FUN	Flood	8/12/2009	12:45	0-1	1400	25.8	70	
VVFB	20090812VVFB	-	8/12/2009	10:00	-	U	NA	NA	
SW-01	20090813SW-01V0-1EUN	Ebb	8/13/2009	15:40	0-1	860	21.5	23	
SW-01	20090813SW-01V0-1FUN	Flood	8/13/2009	12:35	0-1	694	23.4	24	
SW-02	20090813SW-02V0-1EUN	Ebb	8/13/2009	15:05	0-1	654	23.9	45	
SW-02	20090813SW-02V0-1FUN	Flood	8/13/2009	11:50	0-1	880	30	23	
VVFB	20090813VVFB	-	8/13/2009	9:00	-	NA	U	NA	
SW-01	20090818SW-01V0-1EUFD	Ebb	8/18/2009	9:30	0-1	NA	183 J	NA NA	
SW-01	20090818SW-01V0-1EUN	Ebb	8/18/2009	9:30	0-1	1120 J	181 J	37 J	
SW-01	20090818SW-01V0-1FUN	Flood	8/18/2009	7:20	0-1	1540 J	279 J	55 J	
SW-02	20090818SW-02V0-1EUN	Ebb	8/18/2009	10:00	0-1	898 J	160 J	28 J	
SW-02	20090818SW-02V0-1FUN	Flood	8/18/2009	6:45	0-1	5970 J	297 J	91 J	
VVFB	20090818VVFB	-	8/18/2009	6:15	-	0.83 J	UJ	NA	
SW-01	20090819SW-01V0-1EUN	Ebb	8/19/2009	10:50	0-1	1210	107	21	
SW-01	20090819SW-01V0-1FUN	Flood	8/19/2009	7:30	0-1	1280	201	29	
SW-02	20090819SW-02V0-1EUN	Ebb	8/19/2009	10:15	0-1	1140	126	28	
SW-02	20090819SW-02V0-1FUN	Flood	8/19/2009	8:00	0-1	1840	181	26	
VVFB	20090819VVFB	-	8/19/2009	7:00		0.19 J	Ü	NA NA	
SW-01	20090820SW-01V0-1EUN	Ebb	8/20/2009	11:00	0-1	722	62.1	18	
SW-01	20090820SW-01V0-1FUN	Flood	8/20/2009	7:55	0-1	1530	192	26	
SW-02	20090820SW-02V0-1EUN	Ebb	8/20/2009	10:45	0-1	671	81.7	28	
SW-02	20090820SW-02V0-1FUN	Flood	8/20/2009	8:15	0-1	1240	104	38	
VVFB	20090820VVFB	-	8/20/2009	7:30		U	U	NA	
SW-01	20090824SW-01V0-1EUN	Ebb	8/24/2009	15:05	0-1	766	137	15	
SW-01	20090824SW-01V0-1FUFD	Flood	8/24/2009	12:40	0-1	933 J	169	15	
SW-01	20090824SW-01V0-1FUN	Flood	8/24/2009	12:40	0-1	1420 J	227	18	
SW-01	20090824SW-01V3.4-3.5EUN	Ebb	8/24/2009	15:10	3.4-3.5	773	28	17	
SW-01	20090824SW-01V3.4-3.5FUN	Flood	8/24/2009	12:45	3.4-3.5	1180	227	19	
SW-02	20090824SW-02V0-1EUN	Ebb	8/24/2009	15:45	0-1	501	96.2	14	
SW-02	20090824SW-02V0-1FUN	Flood	8/24/2009	12:00	0-1	1200	161	17	
SW-02	20090824SW-02V3.4-3.5EUN	Ebb	8/24/2009	15:50	3.4-3.5	1170	75.2	17	
SW-02	20090824SW-02V4.9-5.0FUN	Flood	8/24/2009	12:05	4.9-5	410	122	16	

Remedial Action Progress Report West Riser Tide Gate

**Sediment Removal Action** 

Table 3 - Berry's Creek/West Riser Surface Water Sampling Results (Mercury and Total Suspended Solids)
West Riser Tide Gate Sediment Removal Action

011000			_Wood-Ridge and	Carlstadt, New	Jersey			
SURFACE		ĺ		•				TOTAL
WATER						MERCURY	MERCURY	SUSPENDED
MONITORING					SAMPLE	TOTAL	DISSOLVED	SOLIDS
STATION	SAMPLE ID	TIDE	SAMPLE DATE	SAMPLE TIME	DEPTH (Ft)	(ng/L)	(ng/L)	(mg/L)
VVFB	20090824VVFB	-	8/24/2009	11:45	-	U	0.12 J	NA
SW-01	20090825SW-01V0-1EUN	Ebb	8/25/2009	15:35	0-1	808	103	14
SW-01	20090825SW-01V0-1FUN	Flood	8/25/2009	11:55	0-1	920	89.4	16
SW-01	20090825SW-01V1.4-1.5FUN	Flood	8/25/2009	12:00	1.4-1.5	902	107	14
SW-01	20090825SW-01V2.9-3.0EUN	Ebb	8/25/2009	15:40	2.9-3	781	98.6	14
SW-02	20090825SW-02V0-1EUN	Ebb	8/25/2009	14:55	0-1	501	99.9	16
SW-02	20090825SW-02V0-1FUN	Flood	8/25/2009	12:40	0-1	1800	99.7	18
SW-02	20090825SW-02V4.2-4.3FUN	Flood	8/25/2009	12:45	4.2-4.3	789	120	16
SW-02	20090825SW-02V5.9-6.0EUN	Ebb	8/25/2009	15:00	5.9-6	642	69.9	16
VVFB	20090825VVFB	-	8/25/2009	9:30		0.12 J	0.14 J	NA NA
SW-01	20090827SW-01V0.4-0,5EUN	Ebb	8/27/2009	6:50	0.4-0.5	237	11.5 J	14
SW-01	20090827SW-01V0.9-1,0FUN	Flood	8/27/2009	10:55	0.9-1	976	16 J	19
SW-01	20090827SW-01V0-1EUN	Ebb	8/27/2009	6:45	0-1	185	13.2 J	12
SW-01	20090827SW-01V0-1FUN	Flood	8/27/2009	10:50	0-1	1230	17.2 J	23
SW-02	20090827SW-02V0.74-0.75EUFD	Ebb	8/27/2009	7:25	0.74-0.75	392	13.9 J	14
SW-02	20090827SW-02V0.74-0.75EUN	Ebb	8/27/2009	7:25	0.74-0.75	448	14.4 J	13
SW-02	20090827SW-02V0-1EUN	Ebb	8/27/2009	7:20	0-1	492	15.6 J	18
SW-02	20090827SW-02V0-1FUN	Flood	8/27/2009	11:40	0-1	997	20.4 J	31
SW-02	20090827SW-02V1.9-2.0FUN	Flood	8/27/2009	11:45	1.9-2	1650	18.9 J	32
VVFB	20090827VVFB		8/27/2009	6:00		0.23 J	0.16 J	NA NA
SW-01	20090831SW-01V0-1ESUN	Ebb	8/31/2009	8:40	0-1	1160	233	13
SW-01	20090831SW-01V0-1FSUN	Flood	8/31/2009	6:40	0-1	1230	239	13
SW-01	20090831SW-01V1.9-2.0ESUN	Ebb	8/31/2009	8:45	1.9-2	938	218	11
SW-01	20090831SW-01V1.9-2.0FSUN	Flood	8/31/2009	6:45	1.9-2	1100	233	13
SW-02	20090831SW-02V0-1ESUN	Ebb	8/31/2009	8:00	0-1	1180 J	232 J	17
SW-02	20090831SW-02V0-1FSUN	Flood	8/31/2009	7:00	0-1	1230 J	221 J	18
SW-02	20090831SW-02V2.9-3.0ESUN	Ebb	8/31/2009	8:05	2.9-3	791 J	228 J	16
SW-02	20090831SW-02V3.4-3.5FSUN	Flood	8/31/2009	7:05	3.4-3.5	915 J	188 J	16
VVFB	20090831VVFB	- 1	8/31/2009	6:00		3.4	0.86	NA NA
	End of baseline monitoring perio	d. Start	of construction	monitoring				
SW-01	20090903SW-01V0-1EUN	Ebb	9/3/2009	11:00	0-1	797	1,1	29
SW-01	20090903SW-01V0-1FUN	Flood	9/3/2009	9:00	0-1	964	40.6	45
SW-02	20090903SW-02V0-1FUFD	Flood	9/3/2009	8:15	0-1	987	39.6	21
SW-02	20090903SW-02V0-1FUN	Flood	9/3/2009	8:15	0-1	1000	34.1	31
VVFB	20090903VVFB	-	9/3/2009	7:30		Ü	Ü	NA NA
SW-01	20090904SW-01V0-1EUN	Ebb	9/4/2009	10:30	0-1	922 J	NA NA	26 J
SW-01	20090904SW-01V0-1FUN	Flood	9/4/2009	7:45	0-1	890 J	NA	34 J

Remedial Action Progress Report West Riser Tide Gate Sediment Removal Action Table 3 - Berry's Creek/West Riser Surface Water Sampling Results (Mercury and Total Suspended Solids)
West Riser Tide Gate Sediment Removal Action

	<del></del>		Wood-Ridge and	Carlstadt, New	Jersey			
SURFACE		1	_					TOTAL
WATER		-				MERCURY	MERCURY	SUSPENDED
MONITORING					SAMPLE	TOTAL	DISSOLVED	SOLIDS
STATION	SAMPLE ID	TIDE	SAMPLE DATE	SAMPLE TIME	DEPTH (Ft)	(ng/L)	(ng/L)	(mg/L)
SW-02	20090904SW-02V0-1EUN	Ebb	9/4/2009	11:05	0-1	699 J	NA	23 J
SW-02	20090904SW-02V0-1FUN	Flood	9/4/2009	8:15	0-1	1220 J	NA NA	27 J
VVFB	20090904VVFB	-	9/4/2009	7:00		0.14 J	NA NA	NA NA
SW-01	20090909SW-01V0-1EUN	Ebb	9/9/2009	14:25	0-1	910	10.2	23
SW-01	20090909SW-01V0-1FUN	Flood	9/9/2009	10:30	0-1	1090	11.6	41
SW-02	20090909SW-02V0-1EUN	Ebb	9/9/2009	14:50	0-1	436	14.1	28
SW-02	20090909SW-02V0-1FUN	Flood	9/9/2009	11:00	0-1	700	9.1	31
VVFB	20090909VVFB	-	9/9/2009	10:00	-	0.26 J	U	NA NA
SW-01	20090910SW-01V0-1EUN	Ebb	9/10/2009	15:30	0-1	1430	12.1	27
SW-01	20090910SW-01V0-1FUN	Flood	9/10/2009	11:00	0-1	1360	14.6	40
SW-02	20090910SW-02V0-1EUN	Ebb	9/10/2009	14:55	0-1	329	6.6	17
SW-02	20090910SW-02V0-1FUN	Flood	9/10/2009	11:30	0-1	728	8.7	33
VVFB	20090910VVFB	-	9/10/2009	10:40	-	U	U	NA
SW-01	20090915SW-01V0-1EUN	Ebb	9/15/2009	9:20	0-1	709	14,1 J	23
SW-01	20090915SW-01V0-1FUN	Flood	9/15/2009	16:20	0-1	2980	23.5 J	37
SW-02	20090915SW-02V0-1EUFD	Ebb	9/15/2009	9:20	0-1	730	15.5 J	23
SW-02	20090915SW-02V0-1EUN	Ebb	9/15/2009	8:40	0-1	817	13.1 J	23
SW-02	20090915SW-02V0-1FUN	Flood	9/15/2009	16:55	0-1	1320	14.5 J	52
VVFB	20090915VVFB		9/15/2009	8:15		0.44 J	Ü	NA NA

#### Notes:

Baseline Monitoring Period: August 12 through August 31, 2009 Construction Monitoring Period: September 1, 2009 through current date.

#### **Acronyms:**

- = Not Applicable
 J = Estimated Value
 mg/L = milligrams per liter
 NA = Not Analyzed

ng/L = nanograms per liter SW-01 = Upstream Monitoring Station SW-02 = Downstream Monitoring Station U = Not Detected

#### Table 2 - Permit Application Status as of October 2, 2009 West Riser Tide Gate Sediment Removal Action Wood-Ridge and Carlstadt, New Jersey

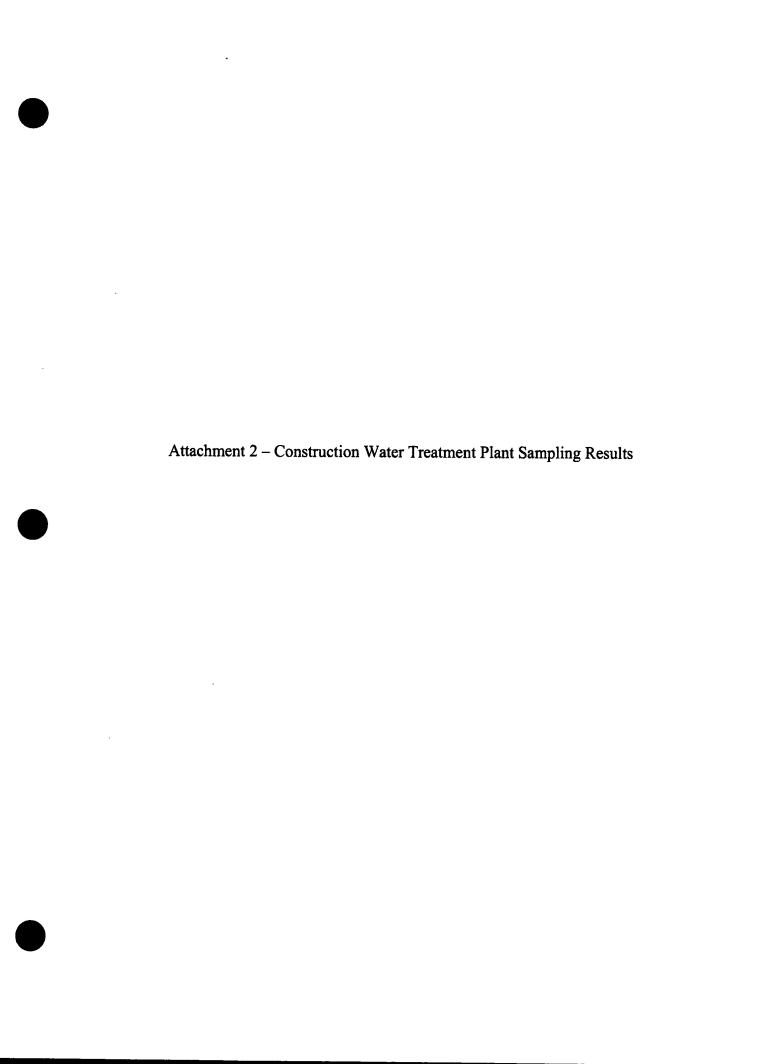
						Expiration	
Permit Title	Permit Number	Reviewing Agency	Agency Contact	Date Submitted	Approval Date	Date	Comments
Freshwater Wetlands Permit		LURP/ Dredging Office		6/15/2009	NA	NA	Awaiting approval
Waterfront Development Permit	CDT 090001	LURP/ Dredging Office	Gary Nickerson	6/15/2009	NA		Awaiting approval
Flood Hazard Area Permit	CDT 090002	LURP/ Dredging Office	Gary Nickerson	6/15/2009	NA		Awaiting approval
Soil and Erosion Control Permit	09-B10212	Bergen County Soil	Angelo Caruso	7/15/2009	9/29/2009	NA.	r waiting approval
FAA Permit	630996-109614384	FAA	Robert Alexander		6/5/2009	12/5/2010	
		Bureau of Tidelands			5.6.2000	12/0/2010	
Tidelands Instrument	0200-05-0002.3	Management	Bill Kresnosky	7/23/2009	NA	NA	Awaiting approval

#### Table 1 - Remedial Actions between August 31, 2009 and October 2, 2009 West Riser Tide Gate Sediment Removal Action Wood-Ridge and Carlstadt, New Jersey

Remedial Action	Description	Scheduled this Period?	Status	Comments
	Installation of upstream cofferdam	Yes	Completed	Sheets were driven to depth. Scour protection installed.
Construction of cofferdams	Installation of downstream cofferdam	Yes	Completed	Five flap gates installed. Sheets were driven to depth. Scour protection installed.
· · · · · · · · · · · · · · · · · · ·	Increase Height of Backflow Dam by 6"	No	Ongoing	protection motalicu.
·	System delivery and setup	Yes	Completed	
nstallation of by- pass pumping systems Install Dewatering system		Yes Completed		Four 12-inch diameter pumps, suction and discharge lines have been installed. Energy dissipater pad has been installed at by-pass discharge and discharge piping has been anchored at the energy dissipater.
<del></del>	24" pump installation	Yes	Ongoing	Installation of two 24-inch diameter pumps.
Operaton of by- pass pumping systems	Operation of pump system to by-pass space between cofferdams	Yes	Ongoing	Initial water drawdown performed and commenced dewatering of Zone 1.
Sediment removal	Sediment removal in Area U	Yes	Ongoing	Approximately 20% of the excavation has been completed as of 10/2/09.
Site Restoration	Site Restoration	No	<u>-</u>	No site restoration was scheduled for this period.

Attachment 1 - Schedule of West Riser SRAWP Activities

ID Task Name		Duration	Baseline Start	Baseline Finish	Start	Finish	Actual Start	Actual Finish	% Complete	Sep 20, '0 Sep 2	7, '0 Oct 4, '09 Oct 11, '0 Oct 18, '0
1 Berry Creek/WRT		93 days	Mon 8/10/09	Mon 11/23/09	Mon 8/10/09	Thu 12/17/09	Mon 8/10/09	NA NA			V F S T T S M W F S T T S
	struction submittals	33 days	Mon 8/10/09	Fri 8/28/09	Mon 8/10/09	Thu 9/24/09	Mon 8/10/09	Thu 9/24/09	100%		
	and Site Preparation	14 days	Mon 8/31/09	Wed 9/9/09	Mon 8/31/09	Fri 9/18/09	Mon 8/31/09	Fri 9/18/09	100%	100%	
9 Install Coffer	Dams	16 days	Wed 9/2/09	Wed 9/23/09	Tue 9/8/09	Tue 9/29/09	Tue 9/8/09	Tue 9/29/09	100%	1	100%
	ht of Backflow Dam by 6"	5 days	NA	NA ·	Tue 9/29/09	Sat 10/3/09	Tue 9/29/09	NA	20%		□ 20%
	ss Pumping and Dewatering Syst	18 days	Wed 9/2/09	Wed 9/23/09	Tue 9/8/09	Thu 10/1/09	Tue 9/8/09	NA NA	91%	The state of the s	
12 System (	Delivery	4 days	Wed 9/2/09	Wed 9/9/09	Tue 9/8/09	Fri 9/11/09	Tue 9/8/09	Fri 9/11/09	100%		• • • • • • • • • • • • • • • • • • • •
13 System S	Setup	12 days	Fri 9/4/09	Wed 9/23/09	Thu 9/10/09	Fri 9/25/09	Thu 9/10/09	Fri 9/25/09	100%	100%	
14 Install De	watering System	5 days	Thu 9/17/09	Wed 9/23/09	Mon 9/14/09	Fri 9/18/09	Mon 9/14/09	Fri 9/18/09	100%	00%	
15 Finalize 2	4" Pump Installation	2 days	NA NA	NA NA	Wed 9/30/09	Thu 10/1/09	Wed 9/30/09				□ 0%
16 Test Systems	and Water Treatment	9 days	Mon 9/14/09	Mon 9/21/09	Wed 9/16/09	Mon 9/28/09	Wed 9/16/09	Mon 9/28/09			100%
20 Operate Bype	ss Pumping System	14 days	Wed 9/23/09	Mon 11/9/09	Mon 9/28/09	Tue 10/13/09	Mon 9/28/09	NA	6%		6%
21 Construc	tion	14 days	Wed 9/23/09	Thu 10/8/09	Mon 9/28/09	Tue 10/13/09	Mon 9/28/09	NA	6%	L. 116	6%
22 Dew	ater Work Zones	14 days	Wed 9/23/09	Thu 10/8/09	Mon 9/28/09	Tue 10/13/09	Mon 9/28/09	NA	11%	406	<u>~</u>
23	Initial Drawdown	2 days	Wed 9/23/09	Thu 9/24/09	Mon 9/28/09	Tue 9/29/09	Mon 9/28/09	Tue 9/29/09	100%	1	11%
24	Dewater Zone 1	5 days	Thu 9/24/09	Tue 9/29/09	Tue 9/29/09	Sat 10/3/09	Tue 9/29/09	NA NA	20%		
25	Dewater Zone 2	5 days	Sat 9/26/09	Thu 10/1/09	Thu 10/1/09	Tue 10/6/09	NA NA	. NA	. 0%		
26	Dewater Zone 3	5 days	Tue 9/29/09	Sat 10/3/09	Sat 10/3/09	Thu 10/8/09	. NA	NA ·	0%		J 10%
27	Dewater Zone 4	5 days	Thu 10/1/09	Tue 10/6/09	Tue 10/6/09	Sat 10/10/09	NA	NA NA	0%	E	
28	Dewater Zone 5	5 days	Sat 10/3/09	Thu 10/8/09	Thu 10/8/09	Tue 10/13/09	NA NA	·			0%
29 Exca	vate Sediment	10 days	Fri 9/25/09	Tue 10/6/09	Wed 9/30/09	Sat 10/10/09		NA NA	0%		
30	Excavation in Zone 1	2 days	Fri 9/25/09	Sat 9/26/09	Wed 9/30/09	Thu 10/1/09	NA NA	NA .	0%		0%
31	Excavation in Zone 2	2 days	Mon 9/28/09	Tue 9/29/09	Fri 10/2/09		NA NA	NA NA	0%		<b>-</b> 10% ★-
	Excavation in Zone 3	2 days	Wed 9/30/09	Thu 10/1/09		Sat 10/3/09	NA	NA	0%		1 2 2
	Excavation in Zone 4	2 days	Fri 10/2/09	Sat 10/3/09	Mon 10/5/09 Wed 10/7/09	Tue 10/6/09	NA .	NA "	0%	. 1	3 T0%
	Excavation in Zone 5	2 days	Mon 10/5/09	Tue 10/6/09		Thu 10/8/09	NA	NA '	0%	1	<del>-</del>   + 1 + 2 **
	Backfill	10 days			Fri 10/9/09	Sat 10/10/09	NA	NA:	0%	i i i i i i i i i i i i i i i i i i i	<b>□ □ 0</b> %
	Backfill Zone 1	والمستعربية الم	Mon 9/28/09	Thu 10/8/09	Fri 10/2/09	Tue 10/13/09	NA	NA '	0%		0%
	Backfill Zone 2	2 days	Mon 9/28/09	Tue 9/29/09	Fri 10/2/09	Sat 10/3/09	NA	NA NA	0%	ا ح	<u>□</u> - <u>0</u> %
	Backfill Zone 3	2 days	Wed 9/30/09	Thu 10/1/09	Mon 10/5/09	Tue 10/6/09	NA 	NA.	0%		] [] [] []
	Backfill Zone 4	2 days	Fri 10/2/09	Sat 10/3/09	Wed 10/7/09	Thu 10/8/09	NA NA	NA .	0%		
	Jackfill Zone 5	2 days	Mon 10/5/09	Tue 10/6/09	Fri 10/9/09	Sat 10/10/09	NA	NA NA	0%		⊨ ∸∳*
NJMC Start WF	•	2 days	Wed 10/7/09	Thu 10/8/09	Mon 10/12/09	Tue 10/13/09	NA	NA.	0%		<b>—</b> 146%
		30 days	Wed 9/30/09		Wed 10/28/09	Thu 12/10/09	NA	NA -	0%	_	
	inporary Erosion Control	15 days	Wed 9/30/09	Wed 11/11/09 :	Mon 10/5/09	Mon 12/14/09	NA	NA .	0%		an in a succession of the succ
		6 days	Wed 10/7/09			Mon 10/19/09	NA	NA -	0%		0%
	dams/Bypass Pumps/discharge lii	10 days	Tue 11/10/09	Mon 11/23/09	Fri 12/4/09	Thu 12/17/09	NA	NA	0%		
5 Decon and Den	100	5 days	Tue 11/17/09	Mon 11/23/09	Fri 12/11/09	Thu 12/17/09	NA	NA.	0%		
		Critical		Split	0110	шиниченный	Baseline Mile	stone 🔷	<del></del>	Project Summary	
ject: SES BC Schedule_9-	30_00	Critical Split	11#175-1411111111111111	•	rogress	and the second second	Milestone	<u> </u>			<u> </u>
e: Wed 9/30/09	30-08	Critical Progress		Baselin	_			•		External Tasks	. <u>-</u>
		ask			<u> </u>			gress minimum		External Milestone	V
				Baselin	e Spiit		Summary			Deadline	$\hat{\mathbf{T}}$





September 24, 2009

Chris Greene, P.E., Project Manager PARSONS 150 Federal Street 4<sup>th</sup> Floor Boston, MA 02110

Re: Ventron Velsicol Superfund Site – Construction Water Treatment Plant Verification Testing of West Riser Tide Gate Water on September 21, 2009

Dear Chris:

BAI was provided with approximately 10,000 gallons of water from the West Riser Tide Gate project on September 21<sup>st</sup>. This initial supply of water was designated for use in performing full-scale verification testing. All treated water is currently stored in the effluent holding tanks with no discharge.

All of the Plant Effluent Test results were in compliance with NJDEP Discharge Permit Limits.

# WRTG Data Summary Sample Date - September 21, 2009

Parameter	Plant Effluent ug/l	NJDEP Permit Limit ug/l
Arsenic	<2.5	3
Mercury, total	<.20	2
Thallium	< 1.0	2
Iron	<150	1,000
Manganese	227	1,000
TSS	<5,000	5,000
Benzene	< 1.0	1

All Testing performed by Test America, Edison, NJ. Please contact me with any questions.

Sincerely,

**BIGLER ASSOCIATES, INC** 

Daniel Bigler

C: J. Fettig, T. Schoenberg, D. Alesandro, L. Frey

#### <u>TestAmerica</u>

#### SUMMARY OF ANALYTICAL RESULTS: 460-5910-1

The Action Levels listed reflect current TestAmerica Edison knowledge of the standards and are intended as general guidance for the user. Please consult appropriate regulations and cleanup standards for your specific application.

Sample ID	NJ Higher of	NJ Higher of	Plant Effluent	
Lab Sample No.	PQLs and	PQLs and	460-5910-1	
Sampling Date	GW Quality	GW Quality	9/21/2009 9:30:00 AM	
Matrix	2000 Criteria	2005Criteria	Water	_
Dilution Factor				
Units	ug/l	ug/i	ug/L	
METALS				
Arsenic	8	3	2.5	υ
Iron	300	300	150	_
Manganese	50	50	227	
Mercury	2	2	0.20	υ
Thallium	10	2	1.0	U

NR: Not analyzed.

U: Indicates the analyte was analyzed for but not detected.

Generated on 9/24/2009 12:59:12 PM

#### <u>TestAmerica</u>

#### SUMMARY OF ANALYTICAL RESULTS: 460-5910-1

The Action Levels listed reflect current TestAmerica Edison knowledge of the standards and are Intended as general guidance for the user. Please consult appropriate regulations and cleanup standards for your specific application.

Sample ID	NJ Higher of	NJ Higher of	Plant Effluent	Γ
Lab Sample No.	PQLs and		460-5910-1	Г
Sampling Date	GW Quality	GW Quality	9/21/2009 9:30:00 AM	Г
Matrix	2000 Criteria	2005Criteria	Water	卜
Dilution Factor			1	r
Units	υg/l	ug/I	ug/L	r
VOLATILE COMPOUNDS (GC/MS)				一
Benzene	1	1	1.0	ī
Total Confident Conc.			0	ř
Total Estimated Conc. (TICs)			0	H

NR: Not analyzed.

U: Indicates the analyte was analyzed for but not detected.

Generated on 9/24/2009 12:59:11 PM

#### <u>TestAmerica</u>

#### **SUMMARY OF ANALYTICAL RESULTS: 460-5910-1**

The Action Levels listed reflect current TestAmerica Edison knowledge of the standards and are intended as general guidance for the user. Please consult appropriate regulations and cleanup standards for your specific application.

Sample ID	NJ Higher of	NJ Higher of	Plant Effluent
Lab Sample No.	PQLs and	PQLs and	460-5910-1
Sampling Date	GW Quality	GW Quality	9/21/2009 9:30:00 AM
Matrix	2000 Criteria	2005Criteria	Water
Dilution Factor			
Units			
WET CHEMISTRY			
Total Suspended Solids (mg/L)	NA	NA	5.0

NR: Not analyzed.

U: Indicates the analyte was analyzed for but not detected.

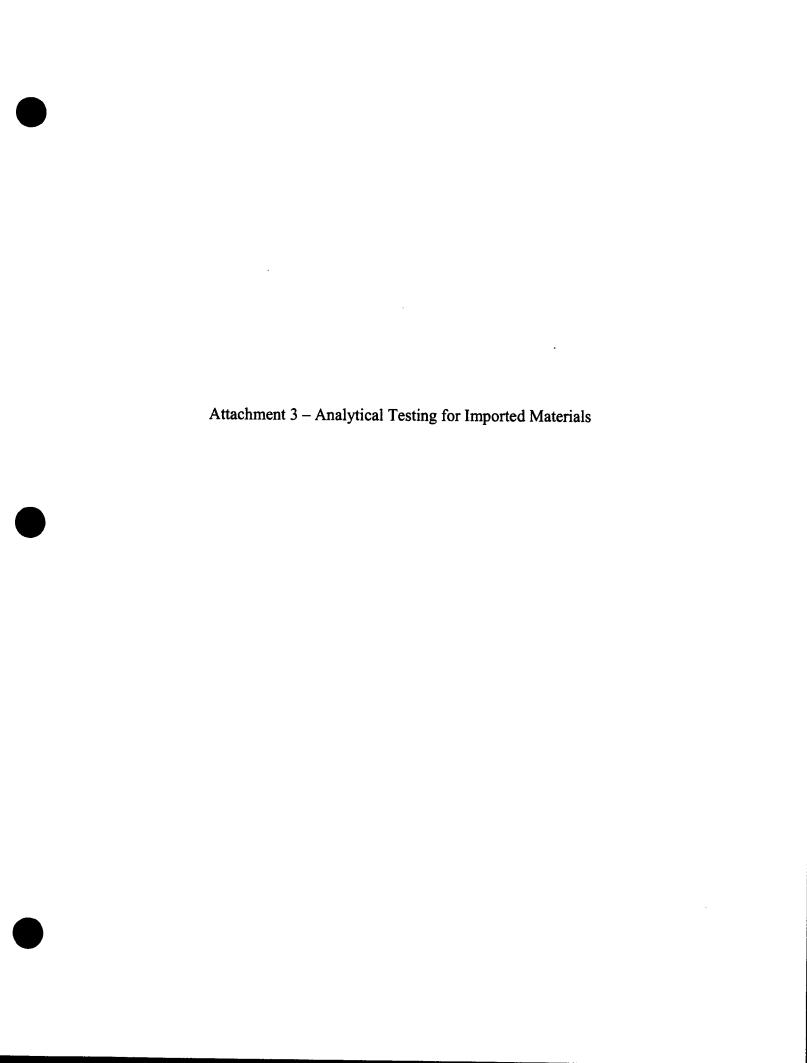
Generated on 9/24/2009 12:59:12 PM

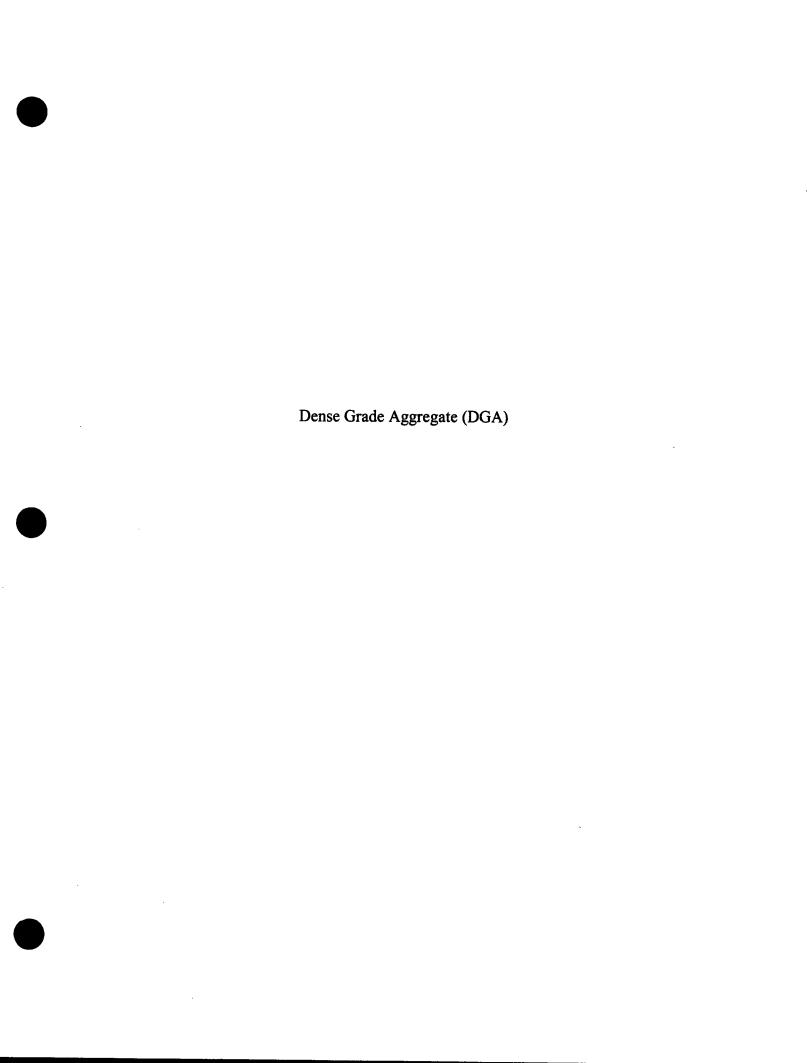
**TestAmerica** 

777 New Durham Road Edison, New Jersey 08817

Phone: (132) 549-3900 Fav (732) 549-3679

THE LEADER IN ENVIRONMENTAL TEST Name ( for report and invoice )			Samela	rs Name	Printer	1			Site/		Idea	ilicalio	n				Pageol
DAN ALXSANDED			1)2	יע <b>ו</b> ק טי.	i Cinnou	, 1101-1	٠,		1	15	A.J.7	VA.	ΰ,	- 1/	URI	-	
Company			P. O. P			, , ,			State (Location of site): NJ: W NY. Other								
U with Misrx	. 7	*							Regulatory Program: ATPA S								
Address		- T	Analyste	nummennd hommennd	Tima	VATA AST DESCRIBITOS DE LA SEL DE ALCONA DE MASTAL ESCOLADA											LAB USE ONLY
は A Iがたいって City			Standard				T										Project No:
City	State						94										
Phone Fax		2 Wrote			,	1 3	Ĭ									Job No:	
Phone Fax			1 9800	<u>ب</u> _		.1	7	٧									
२०१-३७६ ०१। २			Cup-	<u> </u>		3		\$ SS.									
Sample identification		Date			No. of.	Ce vario.	BIF Mes	L		1				l i			Sample Numbers
				Metrix										┞—┤			ryumberu
PLANT EL FLUTAV	<u> </u>	alai	130		5	X	X	X			<u> </u>			<u> </u>			
			<u> </u>		<u> </u>						L						
			<u> </u>			L											
	l																
				1													
						<u> </u>											
			<u> </u>			***************************************											
		<del></del>															······································
Preservation Used: 1 = ICE, 2 = HCl. 3	= H-SO.	4 = HNO.	5 = Na(	DH .	Soil:												
6 - Other					Water:	1 2	1,4	l.								$\neg \uparrow$	
				E-						سم و		•					
Special Instructions /:/	) <u> </u>	<u> </u>	1,11	عليد	10 10			711/	<u> </u>	-	· <i>?</i>	<u>/</u> _	W			illered	(YospNo)2
standalphod na	Company	,		Date / Time   Received p			אל מייי						Comp				
Tellinquished by	12 1	$I_{-}$		Date / Time Received by C/201011 (5.45 1) Fault								169	14	Kest	010-		
Relinquished by	Company	,	Date / Timn			1	Roteiv	md by						Comp	uny		
2)			1				21										
Inlinguished by	Company	,	Oate / Time				Receiv	ed by						Сотр	BUA		
)				1	3)												
Inlinguished by	Company	,,	Date / Time				Receiv	ed by		Statement of		*****		Cons	лпу		
)			1 , "				4)										
Laboratory Certifications: New Jerse	y (12028	3). New Y	York (11	452). P	ennsylva	aria (6		). Co	nnect	icut (	PH-0	200).	Bho	da is	land (	1321	FAL MOTE (04





TRA	NSMITTAL OF SHOP DRAWINGS, EQUIPMENT MANUFACTURER'S CERTIFICATES	OF COMPLIANCE	-		gust 31, 2009		22	TRANSMITTAL NO.  2200-01			
Attn:	SECTION I - REQUEST FOR A PARSONS 150 Federal Street 4th Floor Boston, MA 02110 Chris Greene	FROM: Sevenson Envi 2749 Lockport Niagara Falls,		<i>will be initiate</i> Job No. 100		CHECK ONE:  X THIS IS A NEW TRANSMITTAL  THIS IS A RESUBMITTAL OF  TRANSMITTAL					
each to Sectio	IFICATION SEC. NO. (Cover only one section with ransmittal n 2200 Common Fill	PROJECT TITLE AND Ventron/Velsicol Supe West Riser Tide Gate Wood-Ridge and Car	erfund Site Ol		THIS TRANSM X APPROV						
ITEM NO.	DESCRIPTION OF ITEM SUBMITTED (Type size, model number/etc.)	MFG OR CONTR. CAT.	NO. OF		REFERENCE JMENT		NTRACTOR E CODE	VARIATION (See	FOR CE USE		
a.	b.	DRAWING OR BROCHURE NO.	COPIES	SPEC. PARA. NO.	DRAWING SHEET NO.			instruction No. 6)	CODE		
	<u> </u>	С.	d.	e.	f.	<del> </del>	<i>g.</i>	h.			
1	DGA and other stone Test Results (Resubmittal of original data)	See attached	5	2.01				Yes			
2	Overburden Common Fill Test Results from Tilcon (Resubmittal of original data)	See attached	5	2.01				Yes			
3	Clean Sand Test Results from Amboy Aggregates (Resubmittal of original data)	See attached	5	2.01							
		<del> </del>		<del> </del>	<u> </u>						
<u> </u>											
REMAI This wattache	as originally submitted under the Undeveloped Area (Con	mance wil	th the contrac	reviewed in det drawings and	Soul ST						
		SECTION II - AP	PROVAL AC	TION U	- Aranis r	.,					
SECTION II - APPROVAL ACTION C ENCLOSURES RETURNED (List by Item No.)  NAME, TITLE AND SIGNATURE OF APPROVING AUTHORITY  DATE											

Sevenson Environmental Services, Inc.

**Reverse of ENG FORM 4025** 

Parsons		and the second of the second s							
TO: Richard Elia	п				Letter of	Fransmittal - 039			
Sevenson En	vironmental S	Services, Inc.		De	te: April 16, 2009	Job No.: 445039			
2749 Lockpo		1.420.0		Ventron Velsicol Superfund Site OU-1 Undeveloped Area Construction					
-	s, New York			- 1	-				
CC. Ken Walans	ki, Leopoldo	Perez, Dan Hoffner,	Rick Rizzo	-	ood-Ridge and Carls	But, New Jersey			
				Re	; Submittal 2200-01	-			
		E FOLLOWING IT	EMS:						
☐ Shop drawings	<u> </u>	☐ Attached	QUnder sep	arate cov	er via	the following items:			
Copy of Letter	,	☐ Prints	☐ Pians		☐ Samples	☐ Specifications			
IXI Submittals	<del></del>		0						
No. Copies	Description	n.							
one	Submittal :	2200-01 DGA Com	non Fili ASTM 1557	Test Res	ults, Grain Size Anal	ysis and Analytical Data			
				· · · · · · · · · · · · · · · · · · ·		·			
applicable.	Additionally,	since the material	entage of fines (6.49 originates from qua No resubmission i	arry proc	essing of crushed :	rberg Limits test is not stone, performance of ar			
		CONT	RACTOR SUBMITT	'AL REV	TEW				
Reviewed – No C									
Comments as Not Revise & Resubm		2200-01	<b>X</b>						
Not Subject to Re									
requirements of the Contractor of any in	e Construction responsibility	n Contract Document for the completenes	Rohm and Haas. Co ts including the subm s or correctness of de	uittal requ tail or acc	irements. This revie arracy of any drawin	aplying with the w does not relieve gs or specifications; nor			

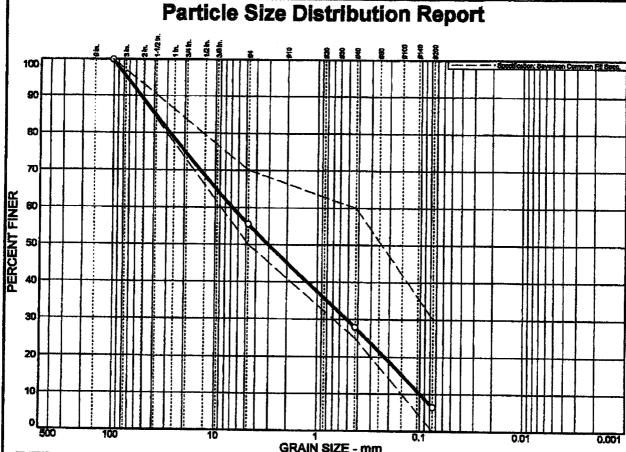
Date April 16, 2009

Robert Swabsin

TRA	NSM). AL OF SHOP DRAWINGS, EQUIPMENT MANUFACTURER'S CERTIFICATES	TDATA, MATERIAL SAI S OF COMPLIANCE	M. LES, OR	DATE: Apr	/II 15, 2009		TRANSMIT	ITAL NO.	
-	SECTION I DECLIERT FOR						22	00-01	
	SECTION I - REQUEST FOR A	FROM: Sevenson Envi	OWING ITEMS	Sevenson	will be initiated Job No. 100	d by the co	check of	AIE.	
Attn:	150 Federal Street 4th Floor Boston, MA 02110 Chris Greens	2749 Lockport Niagara Falis, I	Road		, , , , , , , , , , , , , , , , , , ,		X THIS IS A	NEW TRANSM RESUBMITTA	
Section	IFICATION SEC. NO. (Cover only one section with ransmittal n 2200 Common Fili	PROJECT TITLE AND I Ventron/Velsicol Supe Wood-Ridge and Cart	erfund Site Ol	J-1 ihs New Jerse	ev	Ci Fi	HECK ONE: OR [] FIO	THIS TRANSMI X APPROV	
NO.	DESCRIPTION OF ITEM SUBMITTED (Type size, model numberietc.)	MFG OR CONTR. CAT. CURVE	NO. OF	CONTRACT	REFERENCE JMENT		NTRACTOR CODE	VARIATION (See	FOR CE USE
a.	<b>b</b> .	DRAWING OR BROCHURE NO.	COPIES	SPEC. PARA. NO.	DRAWING SHEET NO.			Instruction No. 6)	CODE
		- c.	d.	e.	f.	<del> </del>	g.	h.	<u>.</u>
1	DGA Common Fill ASTM 1557Test Results	Materials Testing	5	2.01				Yes	
2	DGA Common Fill Particle Size Distribution	Materials Testing	5	2.01				Yes	
3	Analytical Data Report	Waste Stream	5	2.01					
				<del> </del>		<del> </del>			
						<del> </del>			
		-	<del> </del>						
			<del></del>	<del> </del>		<b> </b>			
REMAR Variatio	iKS on: Moisture, Atterberg limits and organic content testing	not applicable to this mater	rtal	correct and l	the above submin strict conforms except as other	mance with	the contract	reviewed in de t drawings and	tail and are
					Z/V	1220			
<del></del>		PECTION II ADI	2201/41 40		NAMEA	TURBIBODE	TURE OF CO	NTRACTOR	
ENCLO:	SURES RETURNED (List by Item No.)	SECTION II - APP			BITY	DATE	<del></del> -		····
		THE MO GRAN	IORE OF APPR	Oving ADINO	Rill	DATE			

Sevenson Environmental Services, Inc.

Reverse of ENG FORM 4025



				SKAIN SILE -	· mm		
% COBBLES	% GR	AVEL		% SAND		% FINES	
,,, T-0211120	CRS.	FINE	CRS.	MEDIUM	FINE	SILT	CLAY
4.5	21.0	19.0	10,2	17.4	21.5	6.4	·

SIEVE	PERCENT	SPEC.*	PA88?
8IZE	FINER	PERCENT	(X=NO)
4 in. #4 #40 #200	100.0 55.5 27.9 6.4	100 - 100 50 - 70 25 - 60 0 - 30	<i>y</i> - 1-4 <i>y</i>
			,

	2		)esc	<u>riptio</u>	<u> </u>
Gray poorly	graded :	sand '	with	silt an	i gravel

PL=

Atterberg Limits

D<sub>85</sub>= 38.4 D<sub>30</sub>= 0.510 C<sub>u</sub>= 67.79

Coefficients
D60= 6.74
D15= 0.148
Cc= 0.39

D<sub>50</sub>= 3.02 D<sub>10</sub>= 0.0995

USCS= SP-SM

Classification AASHTO=

Remarks

Sample Meets Specifications for common fill. F.M.=0.44

Sevenson Common Fill Spec.

Sample No.: S-5480 A

Source of Sample: Ventron Superfund Site

Date: 4/10/9

Elev./Depth:

Location: Tilcon DGA Material

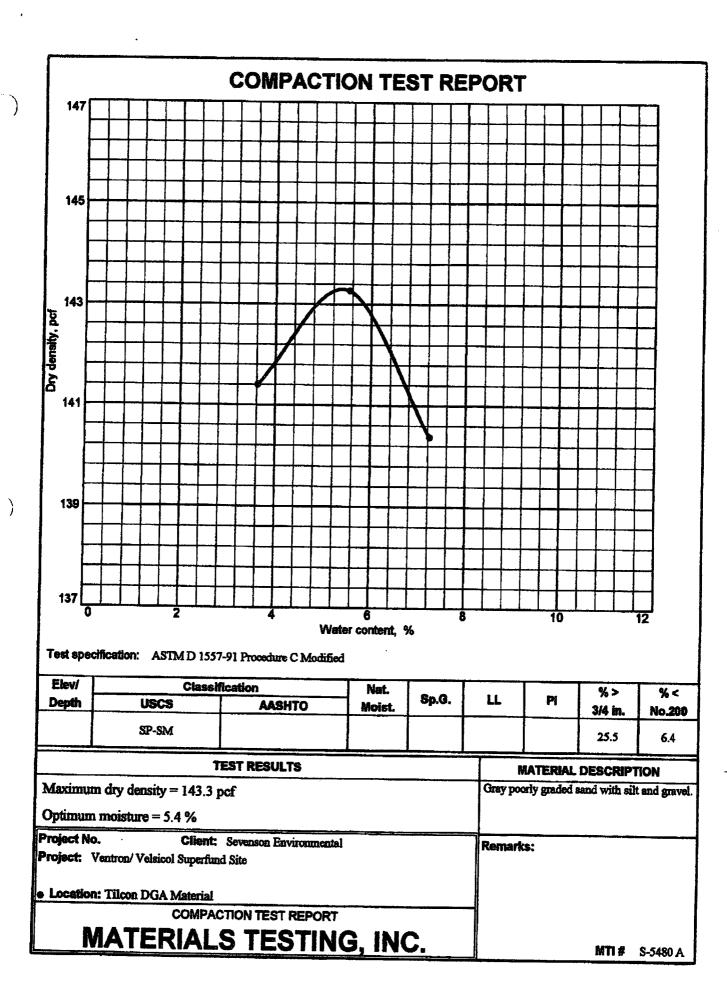
Client: Sevenson Environmental

Project: Ventron/Velsicol Superfund Site

**MATERIALS** TESTING, INC.

**Project No:** 

MTI# S-5480 A



# WASTE STREAM TECHNOLOGY, INC.

302 Grote Street Buffalo, NY 14207 (716) 876-5290

Analytical Data Report Report Date: 03/26/09 Work Order Number: 9C19004

Prepared For Rick Elia Jr. Sevenson Environmental Services 2749 Lockport Road Niagara Falls, NY 14302 Fax: (716) 285-4201

Site: Ventron-Velsicol 1008

Enclosed are the results of analyses for samples received by the laboratory on 03/19/09. If you have any tions concerning this report, please feel free to contact me.

Sincerely,

Daniel W. Vollmer, Laboratory QA/QC Officer

Daniel U. Vou

ENVIRONMENTAL LABORATORY ACCREDITATION CERTIFICATION NUMBERS
NYSDOH ELAP #11179 NJDEPE #73977 PADEP #68757 CTDPH #PH-0306 MADEP #M-NY068





nson Environmental Services

2749 Lockport Road Niagara Falls NY, 14302 Project: Ventron-Velsicol

Project Number: Ventron-Velsicol 1008

Project Manager: Rick Elia Jr.

Reported: 03/26/09 11:28

#### ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
Road - Staging Material	9C19004-01	Soil	03/18/09 14:30	03/19/09 09:00

nson Environmental Services 2749 Lockport Road Niagara Falls NY, 14302

Project: Ventron-Velsicol

Project Number: Ventron-Velsicol 1008 Project Manager: Rick Elia Jr.

Reported: 03/26/09 11:28

## Metals by EPA 6000/7000 Series Methods Waste Stream Technology Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Road - Staging Material (9C19004-01) Soil	Sampled:	03/18/09 14	:30 Recei	ved: 03/1	9/09 09:00				
Silver	ND	2.50	mg/kg dry	5	AC91914	03/19/09	03/20/09	EPA 6010B	
Aluminum	3850	12.5		įs	**	u		U	
Arsenic	ND	8.50	•	11	Ħ	u	03/20/09	n	
Barium	17.3	5.00	70	Ħ	n	o	n	u	
Beryllium	ND	2.50	¥	•			03/20/09		
Cadmium	ND	5.00	t)	71	u		03/20/09	ų	
Cobalt	21.0	5.00	0	4	b		ч	r	
Chromium	33.8	5.00		a	n	*	03/20/09	Ħ	
Copper	34.4	5.00	15	ts.	n	11	u		
Mercury	ND	0.012	U	1	AC92502	03/25/09	03/25/09	EPA 7471A	
Manganese	103	5.00	,	5	AC91914	03/19/09	03/20/09	EPA 6010B	
Nickel	101	5.00				u	"	1	
ead	ND	20.5	н	IF.		u	03/20/09	¥	
Antimony	ND	7.00	11			e	b	4	
Selenium	ND	7.00	13		n	II .	*	u	
Thallium Thallium	ND	5.00	11		n	H		P	
' dium	15.2	5.00	a	•		*	03/20/09	n	
1	ND	20.0	U			#	03/20/09		

enson Environmental Services

2/49 Lockport Road Niagara Falls NY, 14302 Project: Ventron-Velsicol

Project Number: Ventron-Velsicol 1008

Project Manager: Rick Elia Jr.

Reported: 03/26/09 11:28

# Organochlorine Pesticides and PCBs by EPA Methods 8081A /8082 Waste Stream Technology Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Road - Staging Material (9C19004-01) So	il Sampled:	03/18/09 14	:30 Recei	ved: 03/1	9/09 09:00				
Alpha-BHC	ND	0.400	ug/kg dry	ı	AC92401	03/24/09	03/24/09	8081A/8082	ט
Beta-BHC	ND	0.400			н	n	0	p	Ū
Gamma-BHC (Lindane)	ND	0.400		×	Ħ	41	p	•	Ū
Delta-BHC	ND	0.400	11	•	u	0	n	*	Ū
Heptachlor	ND	0.400	u	**	ti	a)		a	Ū
Aldrin	ND	0.400	er .			•	ħ	α	บ
Heptachlor Epoxide	ND	0.400		ø	p	N	40	u	Ü
Endosulfan I	ND	0.400	*	ŧ	Ħ	19	u	U	Ü
Dieldrin	ND	0.400	4		11	ų	83	U	Ü
4,4'-DDE	ND	0.400	a	4	0	n	0	*	บ
<b>Endrin</b>	ND	0.400	u	**	U	11	**		บ
Endosulfan II	ND	0.400	н	u	19		*	ч	Ü
4,4'-DDD	ND	0.400		u	o	я	#	u	Ū
Endrin Aldehyde	ND	0.400		H		11	tı	u	Ū
Endosulfan Sulfate	ND	0.400	n	an	h	u	и	6	Ü
4,4'-DDT	ND	0.400		71	u	D	H		บ
Endrin Ketone	ND	0.400	a)	u	u	**		H	Ü
xychlor	ND	0.400	87	W	W	*	n	ŧı	บ
Chlordane	ND	6.70		10				•	U
l'oxaphene	ND	8.30	u		•	a	ts .	*	U U
Aroclor 1016	ND	3.30	u	×	"		Ħ		U
Aroclor 1221	ND	3.30	a	n	н		er .	•	Ü
Aroclor 1232	ND	3.30		10	u			Ħ	บ
Aroclor 1242	ND	3.30		u	D		п	u	บ
Aroclor 1248	ND	3.30	D	u	*	Ħ	•		U
Aroclor 1254	ND	3.30	*	0		đ	u	n	บ
Aroclor 1260	ND	3.30		#	*	11	u	v	U
Surrogate: Tetrachloro-meta-xylene		93.6 %	74-1.	33	"	u	- "	"	
Surrogate: Decachlorobiphenyl		88.7 %	61-1:		*	<i>n</i>	"	"	

nson Environmental Services 2749 Lockport Road Niagara Falls NY, 14302

Project: Ventron-Velsicol
Project Number: Ventron-Velsicol 1008

Project Manager: Rick Elia Jr.

Reported: 03/26/09 11:28

# Volatile Organic Compounds by EPA Method 8260B Waste Stream Technology Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
						-	Auaryzeu	111000	110003
Road - Staging Material (9C19004-01) Soil									
dichlorodifluoromethane	ND		ug/kg dry	l	AC92001	03/20/09	03/20/09	8260B	U
chloromethane	ND	10		u		u	u	•	บ
vinyl chloride	ND	10	"	n	9	D	v	*	υ
bromomethane	ND	10	u u			**	•		U
chloroethane	ND	10	11	*	n n	*	H		U
trichlorofluoromethane	ND	10	,,				11	•	U
1,1-dichloroethene	ND	2	,,	-	,		u	u	U
acetone	ND	10				11	11		U
carbon disulfide	ND	2				11	đ	p	U
methylene chloride	35	2	*		*	ч	ži.	v	В
Methyl tert-butyl ether	ND	2	П	"	n	ti	•	11	U
Acrylonitrile	ND	10	11	ir .	Ħ	u			υ
trans-1,2-dichloroethene	ND	2	u	R	**	12	U	•	υ
1,1-dichloroethane	ND	2	ŧ	٦	**	P	n	•	υ
2-butanone	ND	10	**	*	**	•		*	U
cis-1,2-dichloroethene	ND	2		u	U	R		10	U
e. Atom	ND	2	P	9	D		n	n	U
Arichloroethane	ND	2		n		R	11	0	U
carbon tetrachloride	ND	2		10		41	n	0	υ
benzene	ND	2	•	. u	*	**	0	H	U
1,2-dichloroethane	ND	2	*	0	*	u		e e	U
trichloroethene	ND	2	•		п	a a	D		υ
1,2-dichloropropane	ND	2	11	•	11	u	n	•	υ
bromodichloromethane	ND	2	u	H	u	U		Ħ	υ
4-Methyl-2-pentanone (MIBK)	ND .	10	H	*	u	17		•	บ
cis-1,3-dichloropropene	ND	2	Ð	n	u u		•	n	Ū
toluene	ND	2	D	ŧ			tı	a	Ū
trans-1,3-dichloropropene	ND	2	H		H	n		a)	บ
1,1,2-trichloroethane	ND	2		D	H	n	н	B	υ
tetrachloroethene	ND	2	11	ĮJ	•	4	n	u	Ü
dibromochloromethane	ND	2	**	P		u	a)	ħ	บ
1,2-dibromoethane	ND	2	ŧr	*	п	n	u	n	U
chlorobenzene	ND	2	41	*	u	н	Ð		บ
1,1,1,2-tetrachloroethane	ND	2	n			U	D	n	บ
ethylbenzene	ND	2	ŧŧ	11	tt	tr		•	บ
m,p-xylene	ND	4	n	n	n	4	Ħ		บ
o-xylene	ND	2	n	u	a	•	4		U
styrene	ND	. 2	n	ш	n	Ħ	n	н	U
bromoform	ND	2	•	n	11		п	v	บ
Acrolein	ND	10		0		11	u	0	U
1,1,2,2-tetrachloroethane	ND	2	**	er .	<b>m</b>	u		B .	U
Methyl Acetate	ND	10	11				n	lr	11

te Stream Technology Inc.

nson Environmental Services
2749 Lockport Road

2749 Lockport Road F
Niagara Falls NY, 14302 P

Project: Ventron-Velsicol

Project Number: Ventron-Velsicol 1008

Project Manager: Rick Elia Jr.

Reported: 03/26/09 11:28

## Volatile Organic Compounds by EPA Method 8260B Waste Stream Technology Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Road - Staging Material (9C19004-01) Soil	Sampled:	03/18/09 14	:30 Receiv	ed: 03/1	9/09 <b>0</b> 9:00				
Tert-butyl alcohol	ND	100	ug/kg dry	1	AC92001	03/20/09	03/20/09	8260B	ĭ
1,2-dibromo-3-chloropropane	ND	10		u	n	u	*	0	ι
Surrogate: Dibromofluoromethane		92.3 %	79-12	20	*	**	"	*	
Surrogate: 1,2-Dichloroethane-d4		103 %	81-1.	18		**	,,	m	
Surrogate: Toluene-d8		101 %	85-10	04	#	71	**	"	
Surrogate: Bromofluorobenzene		101 %	77-1	17	*	*	et	**	

nson Environmental Services
2749 Lockport Road

Niagara Falls NY, 14302

Project: Ventron-Velsicol

Project Number: Ventron-Velsicol 1008

Project Manager: Rick Elia Jr.

Reported: 03/26/09 11:28

#### Semivolatile Organic Compounds by EPA Method 8270C

#### Waste Stream Technology Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Road - Staging Material (9C19004-01) Soil	Sampled:	03/18/09 14	:30 Recei	ved: 03/19	9/09 09:00				
N-Nitrosodimethylamine	ND	67	ug/kg dry	i	AC92014	03/20/09	03/25/09	8270C	1
bis(2-chloroethyl)ether	ND	67		Ħ	P	7	IF	u	1
phenol	ND	130	ı)	11	Ħ	Ħ	n	u	1
2-chlorophenol	ND	130	n	u	u	n	#	u	1
1,3-dichlorobenzene	ND	67	e	u	4	tı	u	P	i
1,4-dichlorobenzene	ND	67		n	4	11		P	1
1,2-dichlorobenzene	ND	67		U	n	w	•	<b>n</b>	1
penzyl alcohol	ND	67		11	D	n	#	4	,
ois(2-chloroisopropyl)ether	ND	67	H	11	н	n	n	Ħ	1
2-methylphenol	ND	67	Ħ			D	•	n	1
nexachloroethane	ND	67	•	b)	D	0	n	а	1
N-Nitrosodi-n-propylamine	ND	67	41	1)	P	n	α	я	ı
8 & 4-methylphenol	ND	130	#	t)	Þ	u	ø	Ħ	1
nitrobenzene	ND	67		*	p	ti	u	*	1
sophorone	ND	67	n	*	n	D	u	*	1
2-nitrophenol	ND	130	ti		*	p	a	н	Į
imethylphenol	ND	130	u		H		в	n	1
-chloroethoxy)methane	ND	67	44	M	H	Þ	æ	Ħ	. 1
enzoic acid	ND	330	n		r	n	u	n	Ţ
2,4-dichlorophenol	ND	130	0			at	tı	*	Į
,2.4-trichlorobenzene	ND	67	IJ	×		p	n	11	1
aphthalene	ND	67		7		**	u	u	1
-chloroaniline	ND	67		*		P	b	a	Ţ
exachlorobutadiene	ND	67	p		n	er .	п	u	Ì
-chloro-3-methylphenol	ND	130	U	Ä	п	#		tı	Ţ
-methylnaphthalene	ND	67		11	n	*	o	n	Ţ
exachlorocyclopentadiene	ND	130		u	4	tı	h		į
,4,6-trichlorophenol	ND	130		u	ų.	n			į
,4,5-trichlorophenol	ND	67		a	а	11		u	ì
-chloronaphthalene	ND	67	R		u	41		u	·
-nitroaniline	ND	67	*	н		#	*	n	ί
cenaphthylene	ND	67	n	10	D				Ţ
Dimethyl phthalate	ND	67	u		41	u	n		, t
,6-dinitrotoluene	ND	67	u	D	b	n	n	<b>P</b>	Ţ
cenaphthene	ND	67	**	Ħ	IJ		u		Į
-nitroaniline	ND	67	u	**	11	4	10	Ħ	Į
,4-dinitrophenol	ND	130	n		17	li .	4		
ibenzofuran	ND	67	a			41	u		T T
,4-dinitrotoluene	ND	67	u	*		n	tr		Į
-nitrophenol	ND	130	n	11					
uorene	ND	67	0	11			u		Į
Chlorophenyl phenyl ether	ND	67	,			,,		-	Į

te Stream Technology Inc.

nson Environmental Services

2749 Lockport Road Niagara Falls NY, 14302 Project: Ventron-Velsicol

Project Number: Ventron-Velsicol 1008

Project Manager: Rick Elia Jr.

Reported: 03/26/09 11:28

# Semivolatile Organic Compounds by EPA Method 8270C

Waste Stream Technology Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Road - Staging Material (9C19004-01) So	il Sampled: 0	3/18/09 14:	30 Recei	ved: 03/19	9/09 09:00				
Diethyl phthalate	ND	67	ug/kg dry	1	AC92014	03/20/09	03/25/09	8270C	1
4-nitroaniline	ND	67	*	**	Ð	*	n	*	1
4,6-Dinitro-2-methylphenol	ND	130		41		#	н	71	į
n-nitrosodiphenylamine	ND	67	tt	31	Ħ	*	ŧ	91	1
4-bromophenylphenylether	ND	67	Ħ	•	*	n	t)	41	1
hexachlorobenzene	ND	67	ø	81	Ħ	u	27	0	Į
pentachlorophenol	ND	130	ŧ	E)	*1	e e	*	H	Į
phenanthrene	ND	67	P	9	u		Ħ	H	1
anthracene	ND	67		P	U	II .	n	•	1
carbazole	ND	67		•	н	*	a	π	
Di-n-butyl phthalate	ND	67	Ħ		19	•		a	į
benzidine	ND	330	, <b>u</b>	ď,	n			n	Ţ
fluoranthene	ND	67	u	11	•	*		65	(
3,3'-Dichlorobenzidine	ND	67	•	4	•			n	τ
pyrene	ND	67	U	11	n	Ħ			ι
Butyl benzyl phthalate	ND	67	•	10		ti		n	ι
? γ (a) anthracene	ND	67		*	u	n	*	•	τ
ene	ND	67	•	•	n			*	ι
is(2-ethylhexyl)phthalate	ND	67	•	•	n	•	n		τ
Di-n-octyl phthalate	ND	67	и	u	и	#	10	•	ί
Benzo (b) fluoranthene	ND	67	ti	*		W	tr.	n	i
Benzo (k) fluoranthene	ND	67	4	•	u	W	n	Ħ	t
Benzo (a) pyrene	ND	67	o	ti	n	W	•	n	ι
ndeno (1,2,3-cd) pyrene	ND	67	w	n	11	17	n		ι
Dibenz (a,h) anthracene	ND	67	ti	*	11		n	*	ί
Benzo (g,h,i) perylene	ND	67	a	n	1)		п	n	i
Acetophenone	ND	67		11	Þ	19	11	п	ί
Caprolactam	ND	67	4	n	11	#	43	**	ί
,1'-Biphenyl	ND	67	ti	u	ņ	*	a	e	ί
Atrazine	ND	67	a	4	p	*	a	u	i
Benzaldehyde	ND	67		q	B	•	n	u	ì
,2-Diphenylhydrazine	ND	67	te	a	Ð	*	ti	u	i
Surrogate: 2-Fluorophenol		54.4 %	43-1	04	<i>n</i>	<i>n</i>	"	er er	
Surrogate: Phenol-d6		73.6 %	52-1		*	,,	n	•	
Surrogate: Nitrobenzene-d5		72.5 %	52-1		H	*		N	
urrogate: 2-Fluorobiphenyl		69.2 %	60-1		*	*	н		
urrogate: 2,4,6-Tribromophenol		61.0 %	46-1.		"	,	#	ø	
urrogate: Terphenyl-d14		74.4 %	36-1.		n	#		*	

te Stream Technology Inc.

enson Environmental Services 2749 Lockport Road Niagara Falls NY, 14302

Project: Ventron-Velsicol

Project Number: Ventron-Velsicol 1008

Project Manager: Rick Elia Jr.

Reported: 03/26/09 11:28

#### Conventional Chemistry Parameters by EPA Methods

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Road - Staging Material (9C19004-01) Soil	Sampled:	03/18/09 14	:30 Recei	ved: 03/1	9/09 09:00				
Cyanide (total) % Solids	ND 95.4	0.50 0.1	mg/kg dry %	i	AC92319 AC92002	03/23/09	03/23/09 03/20/09	EPA 9014 % calculation	
70 Dullas	75.4	0.1	70		AC92002	03/13/07	03120109	70 Calculation	

enson Environmental Services
Project: Ventron-Velsicol
2749 Lockport Road
Project Number: Ventron-Velsicol 1008
Reported:
Niagara Falls NY, 14302
Project Manager: Rick Elia Jr.
03/26/09 11:28

#### **Notes and Definitions**

U Analyte included in the analysis, but not detected at or above the reporting limit.

B Analyte is found in the associated blank as well as in the sample (CLP B-flag).

DET Analyte DETECTED

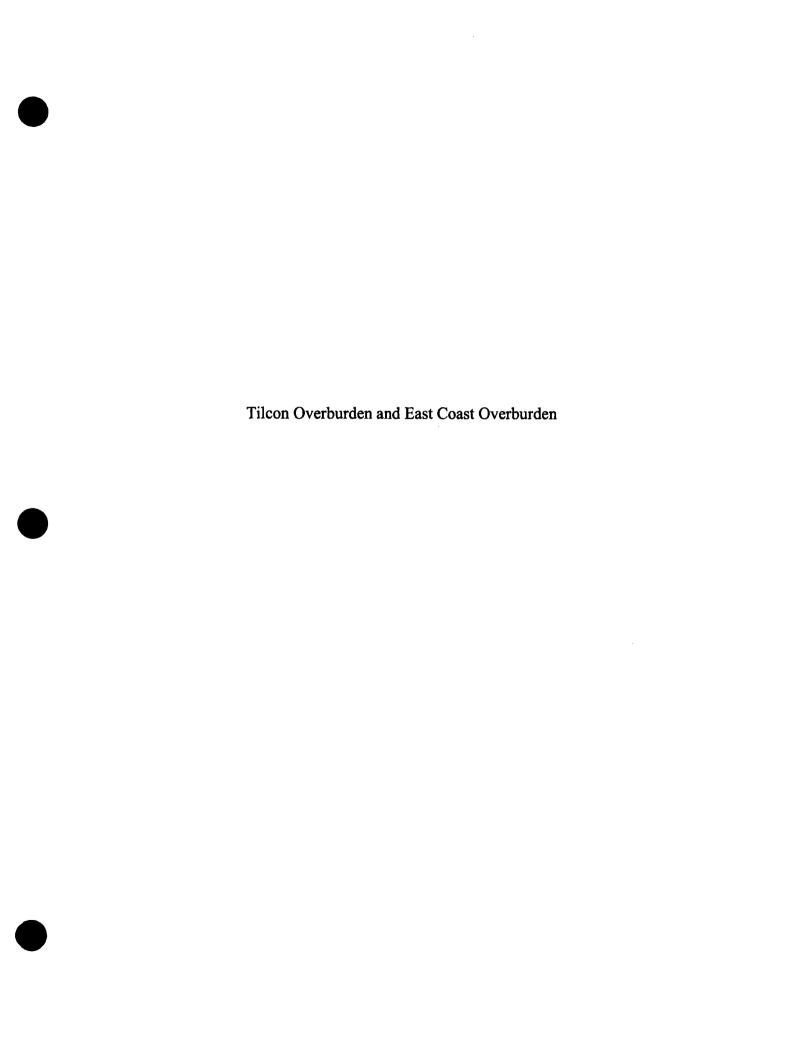
ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

dry Sample results reported on a dry weight basis

RPD Relative Percent Difference

PAGE OF OF OF ARE SPECIAL DETECTION LAWITS RECURRED. NO If you please alluch requirements is a OC Partuge required. VES NO If yet please affach requirements.	OCFORUSE ONLY WST. 1D.	i i				8/00   109.00   8/00
	PREMOF CONTARERY	E Result	103 6. S.			
GROUP # GC LOCA  GROUP # GC LOCA  DUE DATE  TURN AROUND TIME:  COL  COL  COL  COL  COL  COL  COL  CO	ANALYSES TQ BE PERFORMED					TIME:  2 P M U-P S  TIME:  2 GEOGRAPO BY:  3 GEOGRAPO BY:  3 GEOGRAPO BY:  3 GEOGRAPO BY:  3 GEOGRAPO BY:  4 GEOGRAPO BY:  5 GEOGRAPO BY:  6 GEOGRAPO BY:  6 GEOGRAPO BY:  6 GEOGRAPO BY:  6 GEOGRAPO BY:  7 G
MITER SI. 8 WITER SI. 8 RF W W W W	T C F T T T T T T T T T T T T T T T T T	7 > 2		e segue e segu		M RECEIVED O
Waste Stream Technology Int. 392 Grate Stream Technology Int. 392 Grate Streat, Buffalo. NY 14207 (719) 878-5230 - FAX (716) 878-2412 Gray Stream Str	SAMPLING  SAMPLE TYPE  TALAO OF CONTAINERS  TALAO OF CONTAINERS	- 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1	Coah 1			18/09 7 P P   TWE:
**************************************	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	3-18 2:30 3-18 2:30 3-18 2:30	1			3 / 18/09 bare, /
SI WAR	STUTUS ON A STUDIO SIGNATURE BY BUTTON	Kona II. P. Road III. P. Strand	N N			Serve Company
		- a o	<b>19 10</b>	9 1	REWARKS	

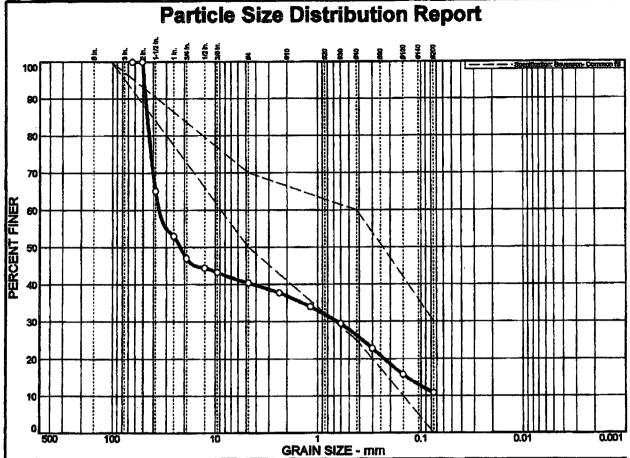


**PARSONS** 

TO: Richard Elia I	I				Letter of T	ransmittal - 066			
Sevenson Env	ironmental S	ervices, Inc.		Date	June 11, 2009	Job No.: 445039			
2749 Lockpor	t Road			Vent	Ventron Velsicol Superfund Site OU-1 -				
Niagara Falls	, New York	14305		Unde	eveloped Area Cons	struction			
CC. Ken Walansk	i, Leopoldo l	Perez, Dan Hoffner, l	Rick Rizzo	Woo	d-Ridge and Carista	adt, New Jersey			
				Re: S	Submittal 2200-02				
WE ARE SENDIN	IG YOU TH	E FOLLOWING ITE	MS:						
☐ Shop drawings		☐ Attached	☐Under sepa	rate cover	via	the following items:			
Copy of Letter		C Prints	☐ Plans		☐ Samples	☐ Specifications			
⊠ Submittals			0						
No. Copies	Description	n.							
one	Submittal	2200-02: Tilcon O	erburden and East	Coast-Sta	vola Overburden 1	l'est Reports.			
				<del></del>					
expected that excavation a types of soils	t these mat reas will als do not read	erials will be difficul o be difficult if thes dily dry so it is not e		come wet he wet sic ould be m	<ul> <li>Compaction to a le of their optimal</li> </ul>				
		CONT	RACTOR SUBMITT	AL REVI	3W				
Reviewed - No Co									
Comments as Note Revise & Resubmi									
Not Subject to Rev									
requirements of the Contractor of any r	Construction consibility	n Contract Documen for the completenes	Rohm and Haas. Co ts including the subm s or correctness of de- the part of Rohm and	ittal requir ail or accu	ements. This revieuracy of any drawin	nplying with the w does not relieve gs or specifications; nor			
By Robert Su	vahein		Deta Ima 11 '	ഹര					

TRAN	SMITTAL OF SHOP DRAWINGS, EQUIPMENT MANUFACTURER'S CERTIFICATES	of compliance	·	DATE: June 2, 2		TRANSMITTAL NO. 2200-02				
1	SECTION I - REQUEST FOR AF PARSONS ISO Federal Street 4th Floor Boaton, MA 02110 Chris Greene	PROVAL OF THE FOLL FROM: Sevenson Envi 2749 Lockport Niagara Falls, I	ronmental Road	(This section Sevenson J	will be initiated lob No. 100	8	CHECK OF X THIS IS A ID THIS IS A TRANSMI	NEW TRANSM RESUBMITTA TTÁL	LOF	
each tr	FICATION SEC. NO. (Cover only one section with ansmittel 2200 Common Fili	PROJECT TITLE AND I Ventron/Velsicol Supe Wood-Ridge and Carl	rfund Site OU stadt Borougi	re New Jerse		F	CHECK ONE: THIS TRANSMITTAL IS FOR II FRO X APPROVAL			
ITEM NO.	DESCRIPTION OF ITEM SUBMITTED (Type size, model numberiets.)	MFG OR CONTR. CAT. CURVE	NO. OF		REFERENCE IMENT		NTRACTOR CODE	VARIATION /See	FOR CE USE	
a.	b.	DRAWING OR BROCHURE NO. c.	COPIES d.	SPEC. PARA. NO. 6.	DRAWING SHEET NO. /.		g.	Instruction No. 6) h.	CODE J.	
1	Tilcon Overburden Test Report	MTI # S-5495	5	2.01A				Yés		
2	East Coast - Stavola Overburden Test Report	MTI # 8-5496	5	2.01A				Yes		
		· · · · · · · · · · · · · · · · · · ·		<del> </del>		<del> </del>	<del> </del>			
				ļ		<del> </del>	<del> </del>	<del> </del>		
Test re Neither	REMARKS  Test results are for particle size distribution Neither sample meets the specification for common fill. Sevenson requests a variation to use these materials as common fill for both in the Buffer Zone and as excavation area common fill.									
					NAME A	MD SIGN	ATURE OF CO	NTRACTOR		
		SECTION II - AF			ARITY	DATE				
ENGLO	SURES RETURNED (List by Item No.)	NAME, TITLE AND SIGNA	ATURE OF APPR	COVING AUTH	UKI T	DATE				

Reverse of ENG FORM 4025



	% GRAVEL			% SAND	)	% FINES		
% COBBLES CRS. FINE		FINE	CRS.	MEDIUM	FINE	SILT	CLAY	
0,0	53,0	6.6	3.5	10.6	15.6	10,7		

SIEVE	PERCENT	SPEC."	PASS?
8/ZE	FINER	PERCENT	(X∞NO)
2.5 in. 2.0 in. 1.5 in. 1.74 in. 1/2 in. 1/2 in. 4/30 #16 #200 #200	100.0 100.0 65.1 53.0 47.0 44.5 43.3 40.4 37.7 34.0 29.4 22.8 15.7 10.7	50 - 70 0 - 30	x

Brown Poorly g	Soll Description raded gravel with silt an	d sand.
PL≖	Atterberg Limits	Pl=
D <sub>85</sub> = 45.6 D <sub>30</sub> = 0.647 C <sub>U</sub> =	Coefficients D <sub>60</sub> = 35.2 D <sub>15</sub> = 0.138 C <sub>c</sub> =	D <sub>50</sub> = 21.9 D <sub>10</sub> =
USCS= GP-G	Classification AASHTO	<b>)</b> =
Sample Fails Sp F.M.=5.65	Remarks secifications For Commo	on Fill.

Sevenson-Common fill

Sample No.: S-5495

Source of Sample: Ventron Superfund Site

Date: 6/01/09

Location: Tilcon Overburden- Woodridge

Elev./Depth:

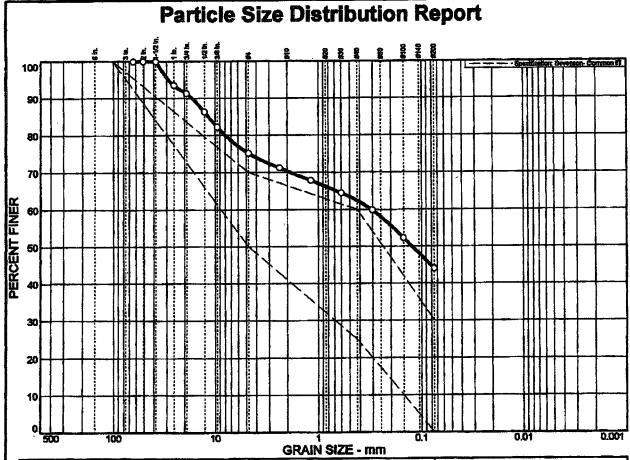
**MATERIALS** TESTING, INC. Client: Sevenson Environmental

Project: Ventron/Velsicol Superfund Site

Project No:

MTI #

S-5495



			-		***************************************			
	% GR	AVEL	1	% SANE	)	% FINES		
% COBBLES	CRS.	FINE	CRS.	MEDIUM	FINE	SILT	CLAY	
0.0	8.7	16,1	4.8	7.9	18.5	44,0		

SIEVE	PERCENT	SPEC."	PASS?
SIZE	FINER	PERCENT	(X=NO)
2.5 in. 2.0 in. 1.5 in. 1.0 in. 1.7 in. 1/2 in. 1/2 in. 1/3/8 #16 #30 #100 #200	100.0 100.0 100.0 93.5 91.3 86.3 82.3 75.2 71.2 67.8 64.5 59.8 52.3 44.0	50 - 70 0 - 30	x

Reddish brown s	Soil Description filty sand with gravel	!
PL=	Atterberg Limits	P =
D <sub>85</sub> = 11.6 D <sub>30</sub> = C <sub>u</sub> =	Coefficients D80= 0.307 D15= Co=	D <sub>50</sub> = 0.124 D <sub>10</sub> =
USCS= SM	Classification AASH1	ГО≖
Sample Fails Sp F.M.=2.36	Remarks ecifications for Comm	non fill.

Sevenson-Common fill

Sample No.: 8-5496

Source of Sample: Ventron Superfund Site

**Date:** 6/1/09

Location: Stavola-Overburden-East Coast Common Fill

Elev./Depth:

MATERIALS TESTING, INC. Client: Sevenson Environmental

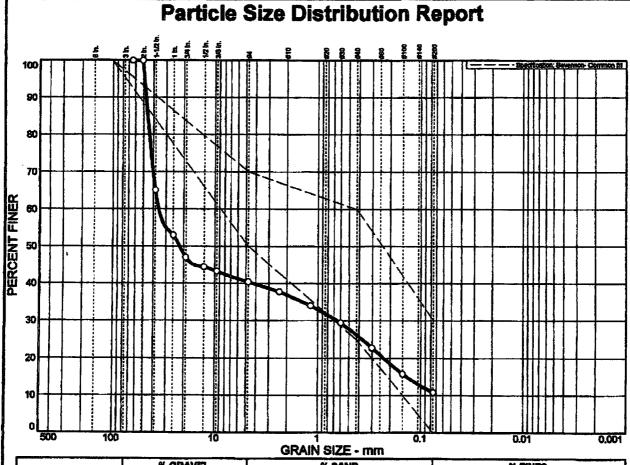
Project: Ventron/Velsicol Superfund Site

Project No:

MTI# S-5496

TRA	NSMI AL OF SHOP DRAWINGS, EQUIPMENT MANUFACTURER'S CERTIFICATES	OF COMPLIANCE		June 2,	9 2, 2009					
Attn:	SECTION I - REQUEST FOR A PARSONS 150 Federal Street 4th Floor Boston, MA 02110 Chris Greene	FROM: Sevenson Envi 2749 Lockport Niagara Falls, I	ronmental Road NY 14305	Sevenson	will be initiate Job No. 100		CHECK O	NEW TRANSM RESUBMITTA		
Sectio	IFICATION SEC. NO. (Cover only one section with rensmittal n 2200 Common Fill	PROJECT TITLE AND I Ventron/Velsicol Supe Wood-Ridge and Carl	erfund Site Ol	J-1 hs New Jerse	ay		HECK ONE: OR [] FIO	THIS TRANSM X APPROV		
NO.	DESCRIPTION OF ITEM SUBMITTED (Type size, model number/etc.)	MFG OR CONTR. CAT. CURVE	NO. OF		REFERENCE JMENT	1	NTRACTOR CODE	VARIATION (See	FOR CE USE	
a.	<b>b</b> .	DRAWING OR BROCHURE NO. c.	COPIES d.	SPEC. PARA. NO.	DRAWING SHEET NO.		_	Instruction No. 6)	CODE	
		<b>V.</b>	a,	₩	f.		g	h.	l:	
1	Tilcon Overburden Test Report	MTI # S-5495	5	2.01A				Yes		
2	East Coast - Stavola Overburden Test Report	MTI # S-5496	5	2.01A				Yes		
									· · · · · · · · · · · · · · · · · · ·	
						<del></del>				
									··	
						-			** ' 5 52	
Neither	tKS sults are for particle size distribution sample meets the specification for common fill. Sevenso ils as common fill for both in the Buffer Zone and as exca	on requests a variation to us vation area common fill.	10 <b>these</b>	correct and	the above sub in strict confor is except as of	mance wit	h the contrac	reviewed in de t drawinge and	tall and are	
		0.0000000000000000000000000000000000000			NAME A	nd Signa	TURE OF CO	NTRACTOR		
ENCLO	SURES RETURNED (List by Item No.)	SECTION II - API			NOTTY.	DATE				
		round, IIILE ARU SIGNA	iure up appi	WYING AUTH(	JRL-I T	DATE				

Reverse of ENG FORM 4025



% COBBLES % GRAVEL			% SANE	)	% FINES			
CRS.	FINE	CRS.	MEDIUM	FINE	SILT	CLAY		
0.0	53.0	6.6	3.5	10.6	15.6	10,7		

SIEVE	PERCENT	SPEC."	PASS?
81ZE	FINER	PERCENT	(X=NO)
2.5 in. 2.0 in. 1.5 in. 1.0 in. 3/4 in. 1/2 in. 3/8 in. #4 #16 #30 #50 #100 #200	100.0 100.0 65.1 53.0 47.0 44.5 43.3 40.4 37.7 34.0 29.4 22.8 15.7	50 - 70 0 - 30	x

Brown Poorly	Soil Description graded gravel with silt of	
PL=	Atterberg Limits	P =
D <sub>85</sub> = 45.6 D <sub>30</sub> = 0.647 C <sub>U</sub> =	Coefficients D60" 35.2 D15" 0.138 Cc"	D <sub>50</sub> = 21.9 D <sub>10</sub> =
USCS= GP-(	Classification  AASHT	'O <b>≃</b>
Sample Fails S F.M.=5.65	Remarks pecifications For Comm	non Fill.

Sevenson-Common fill

**Sample No.:** \$-5495

Source of Sample: Ventron Superfund Site

Date: 6/01/09

Location: Tilcon Overburden- Woodridge

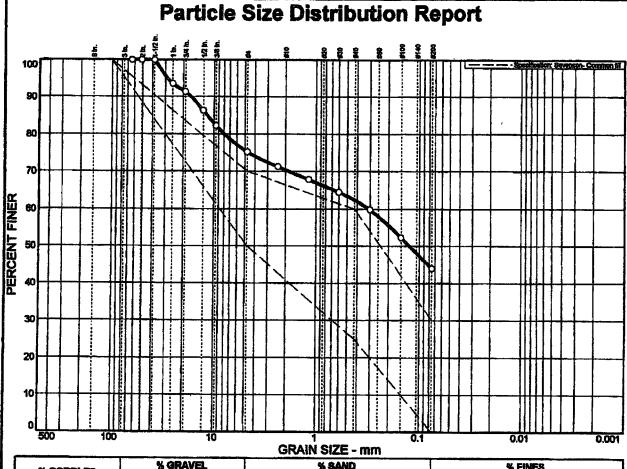
Elev./Depth:

**MATERIALS** TESTING, INC. Client: Sevenson Environmental

Project: Ventron/Velsicol Superfund Site

**Project No:** 

S-5495 MTI#



	GIVAIN SIZE - IIIII									
% COBBLES	% GR	AVEL		% SAND		% FINES				
71 OUBBLES	CRS.	FINE	CRS.	MEDIUM	FINE	SILT	CLAY			
0.0	8.7	16.1	4.8	7.9	18.5	44.0				

81EVE	PERCENT	SPEC.*	PASS?
8IZE	FINER	PERCENT	(X≔NO)
2.5 in. 2.0 in. 1.5 in. 1.0 in. 3/8 in. 1/2 in. 3/8 #4 #8 #16 #30 #100 #200	100.0 100.0 100.0 93.5 91.3 86.3 82.3 75.2 71.2 67.8 64.5 59.8 52.3 44.0	50 - 70 0 - 30	x

Reddish brown	Soil Description silty sand with gravel	_
PL=	Atterberg Limits	<u> </u>
D <sub>85</sub> = 11.6 D <sub>30</sub> = C <sub>u</sub> =	Coefficients D <sub>60</sub> = 0.307 D <sub>15</sub> = C <sub>c</sub> =	D <sub>50</sub> = 0.124 D <sub>10</sub> =
USCS= SM	Classification AASH1	ΓΟ=
Sample Fails Sp F.M.=2.36	Remarks ecifications for Comm	non fill.

Sevenson-Common fill

Sample No.: S-5496

Source of Sample: Ventron Superfund Site

Location: Stavola-Overburden-East Coast Common Fill

Date: 6/1/09

Elev./Depth:

MATERIALS TESTING, INC.

Client: Sevenson Environmental

Project: Ventron/Velsicol Superfund Site

Project No:

MTI# S-3

S-5496

ro: Richard Eli	ia II				Letter of 7	ransmittal - 067
Sevenson E	Invironmental S	Services, Inc.		Date	June 11, 2009	Job No.: 445039
2749 Lockport Road Niagara Falls, New York 14305				ron Velsicol Super rveloped Area Con		
C. Ken Walar	nski, Leopoldo	Perez, Dan Hoffner, I	Rick Rizzo	Woo	d-Ridge and Carlst	adt, New Jersey
				Re: S	ubmittal 2200-02	.1
WE ARE SENI	DING YOU TH	B FOLLOWING ITE	MS:			·· <del>···</del>
3 Shop drawing	<u>gs</u>	☐ Attached	☐Under sepa	rate cover	via	the following items:
Copy of Lett	er	☐ Prints	☐ Plans		☐ Samples	☐ Specifications
ZI Submittals						
No. Copies	Descriptio	<u>.</u>				· · · · · · · · · · · · · · · · · · ·
	1				l.	Amelical Tool Description
ne	Submittal	2200-02: Tilcom Ov	verburden and East	Coast-Sta	AOIB OVERDREGET	Annyucai 1est Repor
Comments:	Submittal	2200-02: Tileom Ov	verburden and East	Coast-Sta	AOIR OAGLDREAGU	Adalyuca 1est Report
Comments:  Both the T Cleanup S ), we have	Tilcon Overbut tandards for Cobeen using the	rden and Stavola Q Contaminated Sites	uarry common fill s	amples m	eet the RDCSCC	as listed in the NJDE

۵

June 11, 2009

The comments are provided by Parsons on behalf of Rohm and Haas. Contractor is responsible for complying with the requirements of the Construction Contract Documents including the submittal requirements. This review does not relieve Contractor of any responsibility for the completeness or correctness of detail or accuracy of any drawings or specifications; nor

does this review represent any liability therefore on the part of Rohm and Haas or Parsons.

Robert Swabsin

\_Date

TRA	NSMIT : AL OF SHOP DRAWINGS, EQUIPMENT MANUFACTURER'S CERTIFICATES	OF COMPLIANCE	•	DATE: June 5,			TRANSMI 22	TTAL NO.	
	SECTION I - REQUEST FOR A	PPROVAL OF THE FOLL	OWING ITEMS	(This section	will be initiated	d by the co			
Attn:	PARSONS 150 Federal Street 4th Floor Boston, MA 02110 Chris Greene	FROM: Sevenson Envi 2749 Lockport Niagara Falls,	Road	Sevenson	Job No. 100	18	CHECK OF X THIS IS A ID THIS IS A TRANSM	NEW TRANSN A RESUBMITTA	IITTAL I. OF
each ti Section	FICATION SEC. NO. (Cover only one section with ansmittal n 2200 Common Fill	PROJECT TITLE AND Ventron/Velsicol Supe Wood-Ridge and Car	orfund Site OU	-1 ns New Jersa	ay .		HECK ONE: OR [] FIO	THIS TRANSM X APPROV	
NO.	DESCRIPTION OF ITEM SUBMITTED (Type size, model number/etc.)	MFG OR CONTR. CAT. CURVE	NO, OF		REFERENCE JMENT		NTRACTOR CODE	VARIATION (See	FOR CE USE
8.	b.	DRAWING OR BROCHURE NO. c.	COPIES d.	SPEC. PARA. NO. e.	DRAWING SHEET NO. 2.		<u></u>	instruction No. 6) h.	CODE
1	Tilcon Overburden Chemical Test Report	Waste Stream	5	2.01A				None	
2	East Coast - Stavola Overburden Teat Report	Waste Stream	5	2.01A				Yes	
<b> </b>									
REMAR East Co	past material high for vanadium			correct and		mance wit	h the contrac	reviewed in de at drawings and	
			į			727	2		
<u> </u>		SECTION II - AP	PROVAL AC	TION	一种人所言人	MP BIGIN	TURE OF CO	NIRACTOR	
ENCLO	SURES RETURNED (List by Item No.)	NAME, TITLE AND SIGNA			DRITY	DATE			

Reverse of ENG FORM 4025

#### WASTE STREAM TECHNOLOGY, INC.

302 Grote Street Buffalo, NY 14207 (716) 876-5290

Analytical Data Report Report Date: 06/08/09 Work Order Number: 9F02003

Prepared For Rick Elia Jr. Sevenson Environmental Services 2749 Lockport Road Niagara Falls, NY 14302 Fax: (716) 285-4201

Site: Ventron-Velsicol 1008

Finched are the results of analyses for samples received by the laboratory on 06/02/09. If you have any estions concerning this report, please feel free to contact me.

Sincerely,

Brian S. Schepart, Ph.D., Laboratory Director

5\_8 Suly

ENVIRONMENTAL LABORATORY ACCREDITATION CERTIFICATION NUMBERS

NYSDOH ELAP #11179 NJDEPE #73977 PADEP #68757 CTDPH #PH-0306 MADEP #M-NY068





Sevenson Environmental Services 2749 Lockport Road

Niagara Falls NY, 14302

Project: Ventron-Velsicol
Project Number: Ventron-Velsicol 1008

Project Manager: Rick Elia Jr.

Reported: 06/08/09 09:50

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
Tilcon Overburden	9 <b>F02</b> 003-01	Soil	06/01/09 14:00	06/02/09 09:15
East Coast Overburden	9F02003-02	Soil	06/01/09 14:00	06/02/09 09:15

2749 Lockport Road Niagara Falls NY, 14302 Project: Ventron-Velsicol

Project Number: Ventron-Velsicol 1008

Project Manager: Rick Elia Jr.

Reported: 06/08/09 09:50

#### Metals by EPA 6000/7000 Series Methods

				marab)		·	~~~ · · · · · · · · · · · · · · · · · ·		
Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Anaiyzed	Method	Notes
Tilcon Overburden (9F02B03-01) Soil	Sampled: 06/01/09 14:00	Received	: 06/02/0 <del>9</del> 0	9:15					
Silver	ND	0.50	mg/kg dry	1	AF90210	06/02/09	06/03/09	EPA 6010B	
Aluminam	7289	2.50	•	•		•	•	-	
Arsenic	3.63	1.70	•	•			06/03/09		
Berinm	25.7	1.00	•		•	•	06/03/09	T	
Beryllium	· ND	0.50	*	-		•	•		
Cedmium	ND	1.00	•				•		
Cobalt	5.05	1.00		7	•	•	06/03/09	u	
Chronium	7.19	1.00	•	•			06/03/09	₩	
Copper	10.2	1.00	•	•	•	•	•	•	
Mereury	0.012	0.012	•		AF90402	06/04/09	06/04/09	EPA 7471A	
Manganese	167	1.00	•	•	AF90210	06/02/09	06/03/09	EPA 6010B	
Niekel	6.97	1.00	•			•	06/03/09		
Lead	ND	4.10	•		•		•	•	
Antimony	ND	1.40				70	*	•	
Selenium	ND	1.40		•			•		
Thallium	ND	1.00		•			=	P	
*fonadiem	13.6	1.00	•			•	06/03/09	**	
ac	13.6	4.00	. •		•	•	06/03/09	п	
•									
East Coast Overburden (9F02803-82) S	Soil Sampled: 06/01/09 14	1:00 Rece	lved: 06/02/	09 09:15		<del></del>			
Silver	ND	2.50	mg/kg dry	5	AF90210	06/02/09	06/05/09	EPA 6010B	
Aluminum	32200	12.5	•	•	•	•	•	71	
Arsenie	ND	8.50	•		•		•	•	τ
Barium	87.2	5.00	•	•	4	•	•	w	
Beryllium	ND	2.50	•	•	v	•		=	
Cadmium	ND	5.00			**	n		•	
Cobalt	39,2	5.00	•	•	*	u	•	•	
Chromium	175	5.00	•		•	•	•	•	
Соррег	164	5.00	•		•	•		•	
Mercury	0.017	0.012	•	i	AF90402	06/04/09	06/04/09	EPA 7471 A	
Manganese	1080	5.00		5	AF90210	06/02/09	06/05/09	EPA 6010B	
Nickel	68.3	5.00	•	•	•	•	•	•	
Lead	ND	20.5	•		•	•	•	•	
Antimony	ND	7.00	•	•		•	•	7	
Selenium	ND	7.00	•	•	•	•	•	•	
Thelium	ND	5.00	•	•	•	•	•	#	
Vauadiem	131	5.00	•	•	•	•	•	•	
Zine	62.4	20.0		•	•	•	•		

2749 Lockport Road Niegera Fells NY, 14302 Project: Ventron-Velsicol

Project Number: Ventron-Velsicol 1008

Project Manager: Rick Elia Jr.

Reported: 06/08/09 09:50

#### Organochlorine Pesticides and PCBs by EPA Methods 8081A /8082

Analyte	Remit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Tileon Overburden (9F92003-01) Soil	Sampled: 06/01/09 14:00	Received:	05/02/89 0	9:15					
Alpha-BHC	ND	0.400	ug/kg dry	1	AF90316	06/03/09	06/04/09	8081 A/8082	บ
Beta-BHC	ND	0.400	•	•	•	*	•	n	บ
Gamma-BHC (Lindane)	ND	0.400		•	•	•		•	U
Delta-BHC	ND	0.400	*	•	•	•	•	•	U
Heptachlor	ND	0.400	*	•	•	#	•	n	บ
Aldrin	ND	0.400	•	•	. •	w	*	t)	บ
Heptachlor Epoxide	ND	0.400	•		•	R	*	•	U
Endosulfan I	ND	0.400	•			•		•	บ
Dieldrin	ND	0.400	•	•	•	•	•	•	ប
4, <i>4</i> -DDE	ND	0.400	•	#	•	•	য	•	ប
Badria	ND	0.400	•	•	•	•	n	•	บ
Endosultan II	ND	0.400	•		•	•			U
4,4'-DDD	ND	0.400		•	•	•	70		U
Endrin Aldehyde	ND	0.400		•	•	•	-	•	ប
Endosulfan Sulfate	ND	0.400	•	•	•		•		U
4,4'-DDT	ND	0.400	•	•			•	•	υ
<sup>ro</sup> ndrin Ketone	ND	0.400	•	•	•	•	•	77	บ
thoxychlor	ND	0.400			•	•	•	**	บ
Chlordane	ND	6.70		•	•	•	•		U
l'omphene	ND	8.30			*		•	*	บ
Aroclor 1016	ND	3.30			•		•	8	บ
Arocior 1221	ND	3.30	•	•	•	•		•	Ü
Aroclor 1232	ND	3.30		•	•		•		บ
Aroclor 1242	ND	3.30	•	•	**	•	•		U
Arocler 1248	ND	3.30	•	•		•		•	บ
Aroclar 1254	ND	3.30	•	•	7	•		-	ט
Aroclar 1260	ND	3.30			n		н		บ
Surrogate: Tetrachloro-meta-xylene		111 %	82-	123			,		<u>_</u>
Surrogate: Decachlorobiphenyl		126%	56-			•	•		

2749 Lockport Road Niagara Falls NY, 14302 Project: Ventron-Velsicol

Project Number: Ventron-Velsicol 1008

Project Manager: Rick Elia Jr.

Reported: 06/08/09 09:50

#### Organochlorine Pesticides and PCBs by EPA Methods 8081A /8082

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
East Coast Overburden (9F02003-02) Sol									
Alpha-BHC	ND	0.400	ug/kg dry	1	AF90316	06/03/09	06/04/09	8081 A/8082	
Beta-BHC	ND	0.400	man and and		TI PULLO	*	*	•	ì
Gamma-BHC (Lindane)	ND	0.400			•	10		•	ì
Deita-BHC	ND	0.400						•	ì
Heptachior	ND	0.400	•		•	•	-	•	ì
Aldrin	ND	0.400			•			•	ì
Asum Heptachlor Epoxide	ND	0.400	•	•				*	,
Redosulfan I	ND	0.400	•	•	•		•	•	ì
Dieldrin	ND	0.400		#	•	•		*	ï
4.4-DDE	ND	0.400					,	*	ï
4,4-1206 Eadrin	ND	0.400	•	*			**	•	ì
Easum Endosulfan II	ND	0.400			•	,	•		i
4.4-DDD	ND	0.400		*			•		Ì
4,4-DDD Endrin Aldehyde	ND	0.400						*	,
Endosulfan Sulfate	ND	0.400					•		,
Androman Suhate	ND ND	0.400	•		•	•	•		,
• -	ND ND	0.400	•	•			•		,
Endrin Ketone	ND	0.400							, 1
sthoxychlor	_ <del></del>			. "					
Chlordane	ND	6.70					•		1
Toxaphene	ND	8.30		-					
Arodor 1016	ND	3.30			_				1
Aroclor 1221 Aroclor 1232	ND	3.30						-	1
	ND	3.30				_	-	-	1
Aroclor 1242	ND	3.30	•				•	-	1
Aroclor 1248	ND	3.30			-	•		-	1
Aroclor 1254	ND	3.30			*		7		1
Aroclor 1260	ND	3.30			<del>"</del>				
Surrogate: Tetrachloro-meta-xylene		100 %	82-1						
Surragate: Decachlarobiphenyl		117%	56-1	32	•	•	•		

2749 Lockport Road Niagara Falls NY, 14302 Project: Ventron-Velsicol

Project Number: Ventron-Velsicol 1008

Project Manager: Rick Elia Jr.

Reported: 06/08/09 09:50

#### Volatile Organic Compounds by EPA Method 8260B

Waste Stream Technology Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Tilcon Overburden (9F82003-01) Soil	Sampled: 06/91/09 14:00		06/02/09 0	9:15					
dichlorodifluoromethane	ND	10	ug/kg diy	1	AF90306	06/03/09	06/03/09	8260B	U
chloromethane	ND	10	•	•	•		•	•	บ
vinyl chloride	ND	10	•	•	•	•	•	•	U
bromomethane	ND	10	•	•	•	•	•	*	U
chloroethane	ND	10	•	•	•	•	75	•	บ
trichlorofluoromethane	ND	10	•	h		•	n	•	U
1,1-dichloroethene	ND	2	•	•	•	•	• _	•	U
acetone	ND	10	•	•	•	•	19	•	U
carbon disulfide	ND	2	•		•	*	•	•	บ
methylene chioride	6	2	*	•	•	•	75	•	В
Methyl tert-butyl ether	ND	2	•	٠	•	•	10	n	บ
Acrylonitrile	ND	10		•	•	•	•	n	U
trans-1,2-dichloroethene	ND	2	•	•	•	•	•	**	U
1,1-dichloroethane	ND	2		•	•	•	•		U
2-butanone	ND	10		•	•	•	**		U
cis-1,2-dichloroethene	ND	2	₩	•	*	•	•		U
hloroform	ND	2	•	•	•	•	•		บ
),1-trichloroethane	ND	2	•		•	•	•	•	υ
carbon tetrachloride	ND	2	•		•	•	•	•	υ
benzene	ND	2		•	•		•	•	υ
1.2-dichloroethane	ND	2	•	•	•	•	₩	77	υ
trichloroethene	ND	2				•		77	υ
1,2-dichloropropane	ND	2		•		•	•	*	บ
bromodichloromethane	ND	2		-		•	•	*	υ
4-Methyl-2-pentanone (MIBK)	ND	10				•	•	W	U
cis-1,3-dichloropropene	ND	2		*				19	U
toluene	ND	2				•		•	U
trans-1,3-dichloropropene	ND	2	•				•	•	U
1.1.2-trichloroethane	ND	2			•		•	•	U
tetrachloroetisene	ND	2	•					•	U
dibromochloromethane	ND	2	•			•	•		U
1.2-dibromoethane	ND	2			•		•		U
chlorobenzene	ND	2		•	70	•		•	U
1,1,1,2-tetrachloroethane	ND	2	•	•		•	•	•	บ
cthylbenzene	ND	2	•			*	•	•	U
m.p-xylene	ND	4	•			•	•	•	U
o-xylene	ND	2	•	9	•		•		บ
Styrene	ND	2			•	•		•	บ
bromoform	ND	2			•			•	บ
Acrolein	ND	10						••	บ
1,1,2,2-tetrachloroethane	ND	2		-				•	
Methyl Acetata	ND	10			•		-	-	U
Mental Unditie	ND	10	-	-	-	-	•	-	U

Waste Stream Technology Inc.

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

2749 Lockport Road Niagara Falls NY, 14302 Project: Ventron-Velsicol

Project Number: Ventron-Velsicol 1008

Project Manager: Rick Elia Jr.

Reported: 06/08/09 09:50

#### **Volatile Organic Compounds by EPA Method 8260B**

#### Waste Stream Technology Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Tikon Overburden (9F02003-01) Soil	Sampled: 06/01/09 14:00	Received:	06/02/09 0	9:15					
Tert-butyl alcohol	ND	100	ug/kg dry	1	AF90306	06/03/09	06/03/09	8260%	ι
1,2-dibromo-3-chloropropane	ND	10	•	₩	•		•	•	ι
Surrogate: Dibromafluaromethane		93.5 %	78-	175	,		"	"	
Surrogate: 1,2-Dichloroethane-d4		96.6%	79-	118		•	• .	•	
Surrogate: Toluene-d8		96.4 %	84-	110	*			•	
Surrogate: Bromofhuorobenzene		101 %	81-	118	*	•	•	*	
East Coast Overburden (9F02803-02) S	Soil Sampled: 06/01/09 1	1:00 Rece	lved: 06/02/	<b>09 09:15</b>					
dichlorodifluoromethane	ND	10	ug/kg dry	1	AF90306	06/03/09	06/03/09	8260B	Į
chloromethane	ND	10	•	•	•	•	•	•	ι
vinyl chloride	ND	10	9	•	•		•	•	τ
bromomethane	ND	10	-	•	0				τ
chloroethane	ИD	10	•		•	*	•	•	τ
trichlorofluoromethane	ИD	10	•	•	•		*	*	τ
I,I-dichloroethene	ND	2				•		•	τ
acetone	ND	10	•	•		•	•	•	1
wbon disulfide	ND	2	•	=	•	•	•		t
ethylene chloride	6	2				•		•	1
Methyl tert-butyl ether	ND	2		•		•	•	•	t
Acrylonitrile	ND	10		•	₩	•	•	•	Ţ
rans-1,2-dichloroethene	ND	2	n		•	•	•	•	t
1,1-dichloroethane	ND	2		•	•	•			τ
2-butanone	ND	10	•	4	•	•	•	*	ī
cis-1,2-dichloroethene	ND	2	•	•	•	•	•	•	ι
chloroform	ND	2		•	*	•		h	ι
1,1,1-trichloroethane	ND	2	•			•	•		1
carbon tetrachloride	ND	2	•	•		•	•	•	ı
benzene	ND	2		•		•	•	*	Ţ
1.2-dichloroethene	ND	2				*1	•		
trichloroethene	ND	2	•	•	•	•		•	1
1,2-dichloropropane	ND	2	-	•	н	•		*	ī
bromodichloromethane	ND	2		•	n		•	*	τ
4-Methyl-2-pentanone (MIBK)	ND	10				•	•	•	Ţ
cis-1,3-dichloropropene	ND	2	•	•		•		•	ī
toluene	ND	2	•	•	•	•		•	τ
trans-1_3-dichloropropene	ND	2	9	•	•	•	•		τ
1,1,2-trichloroethane	ND	2	•		•	•		•	τ
etrachioroethene	ND	2	•		•	70	•	•	Ţ
dibromochloromethene	ND	2	•		•	n	*	•	ί
1,2-dibromoethane	ND	2	•	•	•		•		t
chlorobenzene	ND	2	•		•	•			,
1,1,1,2-teimchloroethane	ND	2		-	_	_		_	,

Waste Stream Technology Inc.

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

2749 Lockport Road Niagara Falls NY, 14302 Project: Ventron-Velsicol

Project Number: Ventron-Velsicol 1008

Project Manager: Rick Elia Jr.

Reported: 06/08/09 09:50

#### Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	porting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
East Coast Overburden (9F02603-02) Soil	Sampled: 05/01/09 14:00	Recei	ived: 06/02/0	9 09:15					
cthylbenzene	ND	2	ug/kg dry	1	AF90306	06/03/09	06/03/09	8260B	U
m,p-xylene	ND	4	*	•	•		•	•	U
o-xylene	ND	2	•	#		u	•	•	U
styrene	ND	2	*	-	•	•	•	•	บ
bromoform	ND	2		•	•	•	*	-	U
Acrolein	ND	10		•	•	•	•	•	บ
1,1,2,2-tetrachloroethane	ND	2	*	•	•	*	•	•	U
Methyl Acetate	ND	10	•	•	•	•	**	•	บ
Tert-butyl alcohol	ND	100	•	•	•	•	•	•	U
1,2-dibromo-3-chloropropane	ND	10		•		*	7	•	υ
Surrogate: Dibromofluoromethane	9	5.2 %	78-1	15		*	,	*	
Surrogate: 1,2-Dichloroethane-d4	S	8.1 %	79-1	18			•	•	
Surrogate: Tohune-d8	5	77.8 %	84-I	10	•	*	-	•	
Surrogate: Bromoftworobenzene		101 %	81-1	18		*	n	•	

2749 Lockport Road Ningara Falls NY, 14302 Project: Ventron-Velsicol

Project Number: Ventron-Velsicol 1008

Project Manager: Rick Elia Jr.

Reported: 06/08/09 09:50

### Semivolatile Organic Compounds by EPA Method 8270C

#### Waste Stream Technology Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Betch	Prepared	Analyzed	Method	Notes
Filcon Overburden (9F02003-01) Soli	Sampled: 06/01/09 14:00	Received:	<b>96/82/09</b> 09	9:15					***************************************
N-Nitrosodimethylamine	ND	67	ක්වැසි ඇර	1	AF90308	06/03/09	06/04/09	8270C	•
ois(2-chloroethyl)ether	ND	67	•	•	•	•		•	1
phenol	ND	130	•	#	•		•		1
2-chiarophenol	ND	130	•	•	•	•	•		1
1,3-dichlorobenzene	ND	67		*	•	•	•	•	1
1,4-dichlorobenzene	ND	67	•	•		•	•		1
,2-dichlorobenzene	ND	67	•	•	•	•	•	•	•
cenzyl alcohol	ND	67		•	•	•	•	•	1
ois(2-chloroisopropyl)ether	ND	67	•		•	•		•	1
2-methylphenol	ND	67	•		*		•		į
exachioroethane	ND	67	•		•		•	•	j
N-Nitrosodi-n-propylamine	ND	67	•	•			•		,
& 4-methylphenol	ND	130		•		**			1
nitrobenzene	ND	67	•				•	•	ì
sophorone	ND	67		а	•	•	• .		,
2-nitrophenol	ND	130	•		•	•	•		1
4-dimethylphenol	ND	130	•						i
(2-chloroethoxy)methane	ND	67		•	R	*		•	1
enzoic acid	ND	330		•		•		•	ï
2,4-dichlorophenol	ND	130						•	,
2,4-trichlorobenzene	ND	67			•	•	•		
zohthalene	ND	67			**		•	•	1
-chloroaniline	ND	67					•		1
exachlorobutadiene	ND	67				•		-	
-chloro-3-methylphonol	ND	130							1
methylnaphthalene	ND				,	-	_	-	1
exachlorocyclopentadiene	ND	67 130		Fæ.		_	-	_	1
4.6-trichlorophenol	ND ND		_			_	-		ì
.4.5-trichlorophenol		130		-		_	-		ı
• •	ND	67	_	-	-	-	-		1
-chloronaphthalens -nitroaniline	ND	67					•	•	1
	ND	67	*	-	•	•	•	*	1
censphthylene	ND	67					•	•	ı
Dimethyl phthalate	ND	67		•	•	•	₩	•	ı
,6-dinitrotoluene	ND	67		•	•	•	•	•	Į
cenaphthene	ND	67	•	•	7	•	•	•	Ţ
nitrosniline	ND	67	•	-		•	•	•	Ţ
,4-dinitrophenol	ND	130	4	•	•	•	•	*	1
ibenzofuran	ND	67		•	•		*	*	τ
4-dinitrotoluene	ND	67	•	•	•	•	•	•	Ţ
-nitrophenoi	ND	130	•	•	•		•	•	ι
uorene	ND	67	•	•		•	•	•	ι
-Chlorophenyl phenyl ether	ND	<b>6</b> 7	•			•	•		ŧ

Waste Stream Technology Inc.

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report wast be reproduced in its entirety.

2749 Lockport Road Niagara Falls NY, 14302 Project: Ventron-Velsicol

Project Number: Ventron-Velsicol 1008 Project Manager: Rick Elia Jr.

Reported: 06/08/09 09:50

#### Semivolatile Organic Compounds by EPA Method 8270C

A 1 A	75Y-	Reporting	Units	Dilution	Batch	Dunand	Analyzed	Method	Notes
Analyte	Result	Limit	Cuara	Different	Dates	Prepared	Assayacu		
Tilcon Overburden (9F02003-01) Seil	Sampled: 06/01/09 14:00	Received:	06/02/09 09	):15					· · · · · · · · · · · · · · · · · · ·
Diethyl phthalate	ND	67	ng/kg dry	1	AF90308	06/03/09	06/04/09	8270C	Ü
4-nitroaniline	ND	67	w	•	•	n	•	*	บ
4,6-Dinitro-2-methylphenol	ND	130	•	•	•	•	•	<b></b>	U
n-nitrosodiphenylemine	ND	67	•	•	•	•	•	•	ប
4-bromophenylphenylether	ND	67	•	#	•	•	•	*	U
hexachilorobenzene	ND	67	•	-	b		•	*	U
pentachlorophenol	ND	130	•	•	•	•	•	•	U
phenanthrene	ND	67	•	-	•	•	•	•	U
anthracene	ND	67	•	•	70	•	•	•	บ
carbazole	ND	67	•	-	•		•	•	Ü
Di-n-butyl phthalate	ND	67	*	*	•	4	*	B	U
benzidine	ND	330	•	*	•	•	•	•	U
fluoranthene	ND	67	•	7	•	•	•	4	U
3,3'-Dichlorobenzidine	ND	67	•	-	•	•	•	•	U
pyrene	ND	67	•	•	•	•	9	_	T.
Butyl benzyl phthalate	ND	67	•	41	•	•	•	•	τ
Penzo (a) anthracene	ND	67		*	•		•	•	u
rysene	ND	67	*	•		•	•	•	U
bis(2-ethylhexyl)phthalate	ND	67		•	•	•	•	n	υ
Di-n-octyl phthalate	ND	67	•	•	•	•	•	•	t
Benzo (b) fluoranthene	ND	67	•	•			w	•	Ū
Benzo (k) fluoranthene	ND	67		**	•	*		•	τ
Benzo (a) pyrene	ND	67		•	•	•	77	17	τ
Indeno (1,2,3-cd) pyrene	ND	67	•	•	•	•	•	•	τ
Dibenz (a,h) anthracene	ND	67	•	•		•	•	•	ι
Benzo (g,h,i) perylene	ND	67	**	•	•	•	•	•	τ
Acetophenone	ND	67	n	•	•	•	•	•	ι
Caprolectam	ND	67	*		•	•	•	7	ī
1, I'-Biphenyi	ND	67		•	•		•	¥	ι
Atrazine	ND	67		•	•	**	•	•	t
Benzaldehyde	ND	67	•	•	*	U	•	•	τ
1,2-Diphenythydrazine	ND	67				•	•	•	U
Surrogate: 2-Fluorophenol		91_3 %	59-	101	-	#	•	#	
Surrogate: Phenol-d6		98.1 %	64-1	105	*		•	•	
Surrogate: Nitrobensene-d5		81.2 %	58-	105		•	•	•	
Surrogate: 2-Fluorobiphenyl		89.1 %	67-1	101	•	•		•	
Surrogate: 2,4,6-Tribromophenol		92.5 %	63-	108			•	•	
Surrogate: Terphenyl-d14		84.5 %	38-1	133	•	•		•	

Sevenson Environmental Services 2749 Lockport Road

Niagara Falls NY, 14302

Project Number: Ventron-Velsicol 1008
Project Manager: Rick Elia Jr.

Reported: 06/08/09 09:50

### Semivolatile Organic Compounds by EPA Method 8270C

Waste Stream Technology Inc.

Anziyte	Result	porting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
East Coast Overburden (9F62003-02) Soil	Sampled: 96/91/09 14:00	Rece	ved: 06/02/	09 09:15					
N-Nitrosodimethylamine	ND	67	ug/kg dry	1	AF90308	06/03/09	06/04/09	8270C	U
bis(2-chloroethyl)ether	ND	67	•	•	•	•	•	*	บ
phenol	ND	130	•		•	*	•	•	U
2-chlorophenol	ND	130	•	•	•	-	•	•	U
1,3-dichlorobenzone	ND	67	•	•	•	•	•	*	ប
1,4-dichlorobenzene	ND	67	•	•	•	•	-	4	U
1,2-dichlorobenzene	ND	67		•		•	•	•	U
benzyl alcohol	ND	67	•	•	•	•	•	•	บ
bis(2-chloroisopropyl)ether	ND	67		•	•	71	*	•	υ
2-methylphenol	ND	67	•	•	•	•	•		U
hexachloroethane	ND	67	•		T	•	•	-	U
N-Nitrosodi-n-propylamine	ND	67	•	•	•		# n	•	U
3 & 4-methylphenol	ND	130	•	•		-	n #	-	U
nitrobenzene	ND	67	•	•	•	•	*	-	U
isophorone	ND	67	•	•	#			-	บ
2-nitrophenol	ND	130	•	-	*	•	-	-	U
^4-dimethylphenol	ND	130	•			•	-		U
s(2-chloroethoxy)methane	ND	67	•	*	•	•		-	U
benzoic acid	ND	330	*	-	•	_	•	•	U
2,4-dichlorophenol	ND	130					•	9	U
1,2,4-trichlorobenzene	ND	67	•	-	-		-		t
naphthalene	ND	67	•				-		
4-chloroaniline	ND	67				_	-		t
hexachlorobutadiene	ND	67	•			-		-	t.
4-chloro-3-methylphenol	ND	130				_		-	t
2-methylnsphthalene	ND	67	•	-		_	•	-	t
hexachlorocyclopentadiene	ND	130	#	•	:	_	•	-	ť
2,4,6-trichlorophenol	ND	130	•	-		_	-		į Į
2,4,5-trichlorophenol	ND	67	-	-			-		į
2-chloronaphthalene	ND	67	-	-	:		•	•	į
2-nitroaniline	ND	67	-	-	·				ί
acenaphthylene	ND	67	-	-					ί
Dimethyl phthalate	ND	67		-				•	ι
2,6-dinitrotoluene	ND	67 67		·	,	•		•	ί
acenaphthene	ИD	67	-	-			•	•	ι
3-nitroaniline	ND	67 130					•		į
2,4-dinitrophenol	ND	130			•		*		ι
dibenzofuran	ND	67 67			•		•	•	Ţ
2,4-dinitrotoluene	ND								ι
4-nitrophenol	ND	130	•			•			Ţ
fluorene	ND	67	_	-	-				
4-Chlorophenyl phenyl ether	ND	67	•	-	-	•		-	Ţ

Waste Stream Technology Inc.

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

2749 Lockport Road Niagara Falls NY, 14302 Project: Ventron-Velsicol

Project Number: Ventron-Velsicol 1008

Project Manager: Rick Elia Jr.

Reported: 06/08/09 09:50

#### Semivolatile Organic Compounds by EPA Method 8270C

Analyte	Result	eporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
East Coast Overburden (9F02003-02) Soll	Sampled: 06/01/09 14:0	0 Rece	ived: 06/02/09	09:15					
Diethyl phthelate	ND	67	ug/kg diy	1	AF90308	06/03/09	06/04/09	8270C	บ
4-mitrosmiline	ND	67	•	•	•	•	-	•	u
4,6-Dinitro-2-methylphenol	ND	130	•	-	•	•	#		u
n-nitrosodiphenylamine	ND	67	•	•	*	•	•	•	u
4-bromophenylphenylether	ND	67	•	•	•		•		U
hexachlorobenzene	ND	67	•	•		•	•	n	υ
pentachlorophenol	ND	130	•	•	•	•	₩	H	U
phenanthrene	ND	67	•		-	•	₩.	•	U
anthracene	ND	67	7	•	₹1	₩	•	•	U
carbazole	ND	67	*	•	-	•	*	•	υ
Di-n-butyl phthalate	ND	67		•	•	**	•	•	U
benzidine	ND	330	•		•	19	•	P	υ
fluoranthene	ND	67	•	•	•	•	•	•	u
3,3'-Dichlorobenzidine	ND	67	•	•	•	*	r		U
pyrene	ND	67	•	•	•	•	•	•	U
Butyl benzyl phthalate	ND	67	•	•	•	•	•	•	ŧ
Penzo (a) anthracene	ND	67	•	. •	•	•	•	•	t
rysene	ND	67	*	•	-	•	•	*	U
bis(2-ethylhexyl)phthalate	ND	67	•	•	•	*	•	•	U
Di-n-octyl phthalate	ND	67	•	*			•	7	υ
Benzo (b) fluoranthene	ND	67	•	•	•	•	•	•	U
Benzo (k) fluoranthene	ND	67	*	•	7	•		•	U
Benzo (a) pyrene	ND	67	•			41	•	•	υ
Indeno (1,2,3-cd) pyrene	ND	67	•	•	•	•	•	n	U
Dibenz (a,h) anthracene	ND	67	•		•	•		•	τ
Benzo (g,h,i) perylene	ND	67			•	•	w	•	u
Acetophenone	ND	67	*	•	•	*		•	U
Caprolactam	ND	67	•	•	•	-	•	•	U
1,1'-Biphenyi	ND	67	•		•	*	w	•	υ
Atrazine	ND	67	•	•	•		M		u
Benzaldehyde	ND	67	•	•			n		U
1,2-Diphenylhydrazine	ND	67	#	*	*			tr .	U
Surrogate: 2-Fluorophenol		86.2 %	59-10	i				*	
Swrogate: Phenol-d6		93.1 %	64-10.	5	•	•		*	
Surrogate: Nitrobenzene-d5		77.2%	58-10	5	•	•	•		
Surrogate: 2-Fluorobiphenyl		86.5 %	67-10	1	•				
Surrogate: 2,4,6-Tribromophenol		<i>85.7 %</i>	63-10	8	•	•	•	•	
Surrogate: Terphenyl-dl 4		82.0 %	<i>38-13.</i>	3				o	

	3	<b>15 1 1 1 1 1 1 1 1 1 1</b>				OFFICE USE ONLY	ISE ONLY			PAGE	-		•
REPORT TO:	. 16	TECHNOLOGY	, 0 0 ₹		•	GROUP#	•	TF 03003	203				
General Famous	Waste Stream Technology Inc.	sam Tec	m Technology Inc.	Jy Inc.		DAJE DATE	Щ			APK SH	ECIAL DETEK	ARE SPECIAL DETECTION LIMITS RECUIRED:	
. ~.	(716) 876-6290	90 · FAX	(7.16) 8	· FAX (716) 876-2412			E E	TURN AROUND TIME:	TIME:	YES Yes plea	YES NO YES NO Yes please attach requirements	quirements	
-ૅંગું (		-	88.4 88.4 88.4	DRINKING WATER GROUND WATER SURFACE WATER	#####################################	SI. SLUDGE SO SOIL S SOI.D	18	3 Lay	JMBER:	a si	is a QC Package required:	ulast.	
Sex Mi		-	<b>₹</b> 0	ASTE WATER II.	<b>≥</b> 5	WWPE HER				f yes p	YES NO If yes please attach requirements.	squiements.	
			5		₹	ANALYSES TO BE PERFORMED	) BE PER	FORMED	•				
SCLYACOW		•			-	-	-	-					
PO# Macasa Falls 44	5)/	-	IDATMO	· \~/2							•	٠	
/OOD 3004	O37c	∃d.	)O ₹O					-		•	τ.		
Janton . Valsical		N 37	ON 7	dz	·	**********		-		-	<b>L</b>	20120	_
SAMPLER SICHATURE	JAN DATE	dMA2	5 LU	000						TYPE OF CONTAINER!	TAINER	ONLY WST. LD.	
A Control of the Cont	5 5 N 1/2	- oc			$\vdash$					Lange Jac		KØ	
17	14:45	1 05	7	•							Jac	1	
1543 C.	81	50 2	7		_		-			Large Jac	J	99	
	(A. 14:43	- 59	7				-	1		عد الصعد	ar.		
		-	_				-	+	-				
. 9		_			-		1		-				
7		-	•		-		$\frac{1}{1}$						<del>_</del>
Φ.		_			-				-				
*					1		1						
10		_	_		$\dashv$		_		-				-
HEMMARKS:													

Man Jersey Clean Soil Sample

12/09/15	
10 lores	<i>f</i>
PECENED BY:	received BY
7	
TIME: ?: a.c.	TIME
DATE:	DATE:
RELINGUISHED DY	HELINOUISHED BY:

**PARSONS** 

TO: Richard Elia II  Seveason Environmental Services, Inc.  2749 Lockport Road Niagara Falls, New York 14305  CC. Ken Walanski, Leopoldo Perez, Dan Hoffner, Rick Rizzo  WE ARE SENDING YOU THE FOLLOWING ITEMS:  Shop drawings  Attached  Copy of Letter  Prints  Plens  Services Agril 20, 2009  Joh No.: 445039  Ventron Velsicol Superfund Site OU-1 – Underveloped Area Construction Wood-Ridge and Carlstadt, New Jersey  Re: Submittal 2200-03  WE ARE SENDING YOU THE FOLLOWING ITEMS:  Shop drawings  Attached  Clunder separate cover via the following items:  Copy of Letter  Plens  Sendinital 2200-03  Utility Sand and Surge Stone Clean Source Statement  Comments:  Reviewed, no comment.  CONTRACTOR SUBMITTAL REVIEW  Reviewed - No Comments  Comments as Noted  Sendinital 200-03  Comments as Noted  Comments as Noted  Comments are provided by Persons on behalf of Rohm and Haas. Contractor is responsible for complying with the requirements of the Construction Contract Documents including the submittal requirements. This review does not relieve Contractor of any responsibility for the completeness or correctors of detail or accuracy of any drawings or specifications; nor does this review represent any liability therefore on the part of Rohm and Haas or Parsons.						*******		
Ventron Velsicol Superfund Site OU-1 -   Undeveloped Area Construction   Wood-Ridge and Carlstack, New Jersey	TO: Richard Elia I	I				Letter of Tre	ınsmittal - 040	
Niagara Falls, New York 14305  CC. Ken Walanski, Leopoldo Perez, Dan Hoffner, Rick Rizzo  Wood-Ridge and Carlstadt, New Jersey  Re: Submittal 2200-03  WE ARE SENDING YOU THE FOLLOWING ITEMS:  Shop drewings	Sevenson Envi	ironmental S	iervices, Inc.		Date:	April 20, 2009	Job No.: 445039	
CC. Ken Walanski, Leopoldo Perez, Dan Hoffner, Rick Rizzo   Re: Submittal 2200-03	2749 Lockport	Road						
Re: Submittal 2200-03  WE ARE SENDING YOU THE FOLLOWING ITEMS:  Shop drawings	Niagara Falls,	New York	14305		t	•		
WE ARE SENDING YOU THE FOLLOWING ITEMS:  Shop drawings	CC. Ken Walansk	i, Leopolda I	Perez, Dan Hoffner, Rick R	Rizzo	Wood	d-Ridge and Caristad	lt, New Jersey	
□ Shop drawings □ Attached □Under separate cover vis the following items: □ Copy of Letter □ Prints □ Plans □ Samples □ Specifications □ Submittals □ Submittals □ Submittals □ Submittal 2200-03 Utility Sand and Surge Stone Clean Source Statement □ Submittal 2200-03 Utility Sand and Surge Stone Clean Source Statement □ Submittal 2200-03 Utility Sand and Surge Stone Clean Source Statement □ Comments: □ Contractor Submittal Review □ Comments as Noted □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □					Re: S	Submittal 2200-03		
Comments:  CONTRACTOR SUBMITTAL REVIEW  Reviewed - No Comments 2100-03	WE ARE SENDIN	IG YOU TH	E FOLLOWING ITEMS:					
El Submittals  No. Copies  Description  One  Submittal 2200-03 Utility Sand and Surge Stone Clean Source Statement  Comments:  Reviewed, no comment.  CONTRACTOR SUBMITTAL REVIEW  Reviewed - No Comments  2100-03  Comments as Noted  Reviewed - No Comments  1	☐ Shop drawings		☐ Attached	☐Under separate	cover	via	the following items:	
No. Copies  Description  Submittal 2200-03 Utility Sand and Surge Stone Clean Source Statement  Comments:  Reviewed, no comment.  CONTRACTOR SUBMITTAL REVIEW  Reviewed – No Comments 2100-03 □  Comments as Noted □  Reviewed – No Comments □  Comments as Noted □  Reviewed – No Comments □  Comments as Noted □  Reviewed – No Comments □  Comments as Noted □  Reviewed – No Comments □  Comments as Noted □  Reviewed – No Comments □  Comments as Noted □  Reviewed – No Comments □  Comments as Noted □  Reviewed – No Comments □  Comments of Resubmit □  Reviewed – No Comments □  Reviewed – No Comments □  Comments of Resubmit □  Reviewed – No Comments □  Reviewed – No Comments □  Comments of Resubmit □  Reviewed – No Comments □  Reviewed – No Comments □  Comments of Resubmit □  Reviewed – No Comments □  Reviewed – No Comments □  Comments of Resubmit □  Reviewed – No Comments □  Reviewed – No Comments □  Comments of Resubmit □  Reviewed – No Comments □  Reviewed – No Comments □  Comments of Reviewed – No Comments □  Reviewed – No Co	☐ Copy of Letter		☐ Prints	☐ Plans		☐ Samples	☐ Specifications	
Comments:  CONTRACTOR SUBMITTAL REVIEW  Reviewed - No Comments 2100-03 □ Comments as Noted □ Reviewe & Resubmit □ Not Subject to Review □  The comments are provided by Persons on behalf of Rohm and Haas. Contractor is responsible for complying with the requirements of the Construction Contract Documents including the submittal requirements. This review does not relieve Contractor of any responsibility for the completeness or correctness of detail or accuracy of any drawings or specifications; nor	⊠ Submittals			0				
Comments:  CONTRACTOR SUBMITTAL REVIEW  Reviewed - No Comments	No. Copies	Description	n					
Reviewed - No Comments 2100-03 URCOMMENTED Reviewed - No Comments as Noted Reviewed	one	Submittal	2200-03 Utility Sand and S	urge Stone Clean S	iource (	Statement		
Reviewed - No Comments 2100-03 UR  Comments as Noted Reviewed - No Comments UR  Reviewed - No Comments 2100-03 UR  Reviewed - No Comments UR  Reviewed - No								
Reviewed - No Comments 2100-03 URCOMMENTED Reviewed - No Comments as Noted Reviewed								
Reviewed - No Comments 2100-03	(Adamond) III	Journal		FOR SUBMITTAL	REVI	<b>EW</b>		
Comments as Noted  Revise & Resubmit  Not Subject to Review  The comments are provided by Parsons on behalf of Rohm and Haas. Contractor is responsible for complying with the requirements of the Construction Contract Documents including the submittal requirements. This review does not relieve Contractor of any responsibility for the completeness or correctness of detail or accuracy of any drawings or specifications; nor					, <u>r </u>	<b></b>		
Revise & Resubmit  Not Subject to Review  The comments are provided by Parsons on behalf of Rohm and Haas. Contractor is responsible for complying with the requirements of the Construction Contract Documents including the submittal requirements. This review does not relieve Contractor of any responsibility for the completeness or correctness of detail or accuracy of any drawings or specifications; nor		-	2100-03					
The comments are provided by Parsons on behalf of Rohm and Haas. Contractor is responsible for complying with the requirements of the Construction Contract Documents including the submittal requirements. This review does not relieve Contractor of any responsibility for the completeness or correctness of detail or accuracy of any drawings or specifications; nor	Revise & Resubmi	it						
	Not Subject to Review							

TRAI	MANUFACTURER'S CERTIFICATES	OF COMPLIANCE			rah 28, 2009	TRANSMI 2100 - 0		
	SECTION 1 - REQUEST FOR A PARSONS 150 Federal Street 4th Picer Sesten, MA 02110 Chris Greene	PPROVAL OF THE POLL FROM: Sevenson Envi 2748 Lockport Niagare Falls,	renmental Read	(This section Sevention .	will be initiated lob No. 100	6 CHECK O X THE IS A D THIS IS A TRANSM	NEW TRANSM L RESUBBITTA ITTAL	L OF
SPEC	FICATION SEC. NO. (Cover only one section with unamittal) Section 2100	PROJECT TITLE AND Ventron/Velsicol Supe Wood-Ridge and Cer	efernd Site OU	na New Jerse	·	CHECK ONE FOR 11 FIG	X APPROV	AL.
HEN NO.	DESCRIPTION OF ITEM SUBMITTED (Type size, model number/siz.)	MFG OR CONTR. CAT. CURVE	NO. OF	CONTRACT	REFERENCE IMENT	FOR CONTRACTOR USE CODE	VARIATION (See	FOR CE VSE
	A	DRAWING OR BROCKURE NO.	COPIES	BPEC. PARA. NO.	DRAWING CHEET NO.	g.	Instruction No. (j) h.	CODE
				7.00			None	
1	Utility Sand	Tilcon Statement	5	1,03 A			NOR	
2	Surge Stone	Tilcon Statement	5	1.03A			None	
				·				
			ļ					
						ļ		<del> </del>
Sand i	e statement that both materials are quanted from virgin is to be used in sand bags	sources.		correct and	in strict confo	mitted frame have been missing with the control they were started.	n reviewed in d at drewings an	etail and are d
gurge	stone is to be used to construct temporary roadways				all WAR	AND SIGNATURE OF C	ONTRACTOR	
-		SECTION II - A						
ENCL	DSURES RETURNED (Lint by Rom No.)	NAME, TITLE AND SIGN	ature of App	NOVING AUTH	ORITY	DATE		

Reverse of ENG FORM 4025

# Tilcon Nj - Pompton Lakes Quarry

July, 2007



Tilcon-NJ confirms that the Rip Rap available at Pompton Quarry Conforms to the quality requirements of section 801 of *The New Jersey Department of Transportation Standard Specifications for Road and Bridge Construction.* It is defined as virgin Gneise mined at Pompton Quarry, Broad Street.

Blk 80-Lot 60.01-60.02, Borough of Pompton Lakes, Passaic County NJ. The material is identified on the job with 1 licon NY delivery tickets.

This Rip Rap has the following properties:

Sodium Sulfate Soundne	SSE (ASTM CBS)	2.0% Loss
Water Absorption	(ASTM C97)	0.60%
LA Abrasion	(ASTM-C595)	22.80%
Bulk Specific Gravity	(ASTM-C97)	2.7
Freeze-Thaw Test	(ASTM-T109)	2.4% Loss

And the following Gradation

D <sub>199</sub>	15
D <sub>60</sub>	10
D <sub>10</sub>	5

If you have anyquestions or concerns, please call.

(973)-366-3740 Central Materials Lab Tilcon, NJ

## TILCON-NY

## Mt. Hope Quarry

Fax 973-989-0178

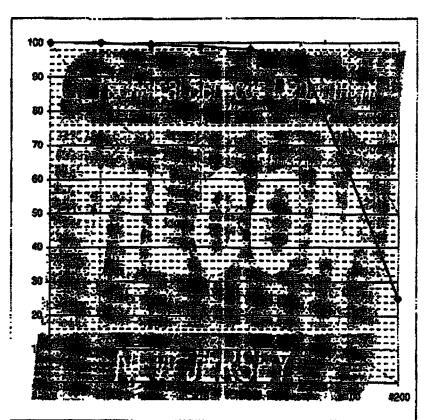
625 Mount Hope Rd. • Wharton, N.J. 07946 • 973-366-7741

## Typical Gradation, Utility Sand

ldge, NJ
rector
enson nmental
95.7
104

**Project** 

	Typical	Prod.	Target
	% Pass	Low	High
3/8	160	100	100
#4	100	80	100
#8	99.5	70	100
#16	89	30	100
630	98	20	100
#50	95	15	100
#100	82	10	75
#200	25		50



Tiloon Inc confirms that Utility Sand available at Mt. Hope Quarry conforms to section 901 of the New Jeresy Department of Transportation StandardSpecifications for Road and Bridge Construction. The material is defined as virgin Gneiss mined at Mt. Hope Quarry, 625 Mount Hope Road, Block 20001-Lot 6.01 Wharton Borough, Morris County NJ. The material is identified on the job with Tiloon delivery tickets.

The unit weights and volds are for process control and should be verified by the contractor before use.

TRAN	ISMITTAL OF SHOP DRAWINGS, EQUIPMENT MANUFACTURER'S CERTIFICATES	DATA, MATERIAL SAN	APECS, OR	DATE: Ma	rch 11 , 2009		TRANSMIT		
	***************************************						2200 - 0	6	
	SECTION I - REQUEST FOR AF	PROVAL OF THE FOLLO	WING ITEMS	(This section	will be initiated	by the co	ntractor)		
TO: I	PARSONS	FROM: Sevenson Envir		Sevenson J	ob No. 100	8	CHECK OF		
	50 Federal Street 4th Floor	2749 Lockport						NEW TRANSMI RESUBMITTAI	
	Boston, MA 02110	Niagara Falls, N	IY 14305				TRANSM		-0.
	Chris Greene							THIS TRANSMI	TT41 16
_	FICATION SEC. NO. (Cover only one section with	PROJECT TITLE AND L					OR [] FIO		
each tn	ansmittal) Section 2200	Ventron/Velsicol Supe Wood-Ridge and Carl	rrung Site CC stadt Borougi	-1 18 New Jerse	y		OR LIFTO		
ITEM NO.	DESCRIPTION OF ITEM SUBMITTED (Type size, model number/etc.)	MFG OR CONTR. CAT.	NO. OF		REFERENCE IMENT		NTRACTOR CODE	VARIATION (See	FOR CE USE
1.00.		DRAWING OR BROCHURE NO.	COPIES	SPEC. PARA. NO.	DRAWING SHEET NO.			instruction No. 6)	CODE
a.	<b>b</b> .	c.	<u>d.</u>	е.	f.	<u> </u>	g	ħ.	i
1	! -1/2" Washed Stone Gradation / Source	Tilcon Statement	4	2.01. E.4				None	
	Statement								
						<u> </u>			
<u> </u>									
<b></b>			· · · · · · · · · · · · · · · · · · ·						
<del>                                     </del>		·							
			<del></del>	1					
<del></del>				<u> </u>					
				1					
REMAI	I I	<u></u>		I certify that	the above sub	mitted ite	ms have beer	reviewed in d	tail and are
	to be used for temporary infiltration basin			correct and specification	in strict confo ns except as o	rmance wi ther wise :	th the contra stated.	ct drawings and	3
	•				· .				
				1 ./		320			
					NAME	AND SIGN	ATURE OF C	ONTRACTOR	
		SECTION II - AF	PROVAL AC	TION					
ENCL	OSURES RETURNED (List by Item No.)	NAME, TITLE AND SIGNA			ORITY	DATE			
ENCL	SOURCE WEI OUNED (FISH DA INSHII MO!)					1			
1									
		İ							
1								<del></del>	

Reverse of ENG FORM 4025

## TILCON-NY Pompton Lakes Quarry Fax 973-989-0178

BROAD STREET . POMPTON LAKES, N.J. . 973-366-7741

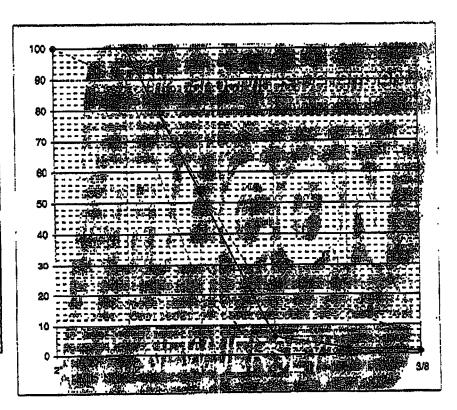
## Typical Gradation #4 (1 1/2"Granite)

Pro		
Ventron Velsico	Superfund Site	
Woodridge		

	evenson ronmental
Sp. Gr	2.7
Loose	95
Rodded	103

Contractor

	Typical	Prod.	Target
	% Pass	Low	High
2ª	100	100	100
1 1/2"	100	80	100
1*	53	20	55
3/4	6		15
1/2	2		15
3/8	1		5



Tilcon-NJ confirms that the #4 (1 1/2"Grantte) available at Pompton Lakes Quarry conforms to the quality requirements of section 901 of *The New Jersey Department of Transportation Standard Specifications for Road and Bridge Construction*. It is defined as virgin Gneiss mined at Pompton Lakes Quarry, Broad Street, Blk 60-Lots 60.01-60.02 Borough of Pompton Lakes, Morris County. The material is identified on the job with Tilcon NJ delivery tickets.

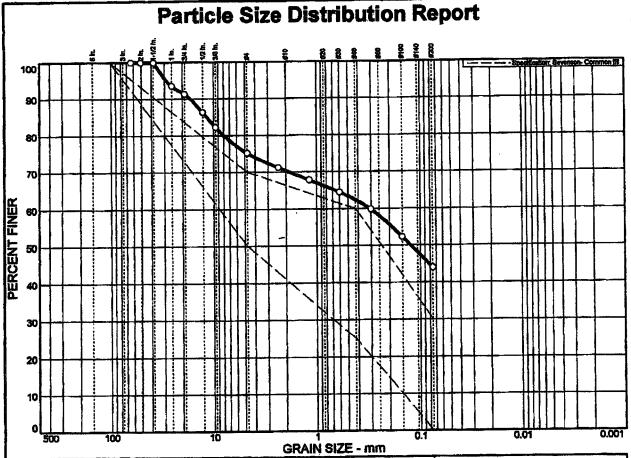
The unit weights and voids are for process control and should be verified by the contractor before use.

#### **PARSONS**

	_/					
TO: Richard Elia l	1				Letter of Tra	nsmittal - 053
) Sevenson Env	ironmental S	ervices, Inc.		Date:	May 27, 2009	Job No.: 445039
2749 Lockpor Niagara Falls CC. Ken Walansk	, New York	14305 Perez, Dan Hoffner, Ricl	k Rizzo	Under	on Velsicol Superfur veloped Area Constru- Ridge and Carlstad	uction
				Re: S	ubmittal 2200-01.1	
WE ARE SENDIN	NG YOU TH	E FOLLOWING ITEMS	3:	·		
☐ Shop drawings		☐ Attached	☐Under separate	cover v	ria	the following items:
Copy of Letter		☐ Prints	☐ Plans	i	☐ Samples	☐ Specifications
⊠ Submittals			0			
No. Copies	Description	3				
one	Submittal 2	2200-01.1 DGA Commo	n Fill Samples 5840	B, C and	I D	
					· · · · · · · · · · · · · · · · · · ·	
	1					
No comment	<b>5</b>	CONTRA	CTOR SUBMITTAL	REVIE	·W	
				100 110	•	
requirements of the Contractor of any	ed	Parsons on behalf of Ron Contract Documents in for the completeness or iability therefore on the	hm and Haas. Contracted in the submitts recorrectness of detail	il require or accur	ements. This review racy of any drawings	does not relieve
Dr. Dahast Co		·	- Note - Nav. 27, 200	Λ		

TRA	NSMITTAL OF SHOP DRAWINGS, EQUIPMENT	DATA, MATERIAL SA	MPLES, OR	DATE:		**	TRANSMI	ITAL NO.	
	MANUFACTURER'S CERTIFICATES	OF COMPLIANCE		June 2,	2009		ļ.		
							22	00-02	
70.	SECTION I - REQUEST FOR AI	PPROVAL OF THE FOLL	OWING ITEMS	(This section	will be initiated	d by the co			
	ransons 150 Federal Street 4th Floor	FROM: Sevenson Env		Sevenson .	Job No. 100	8	CHECK O		
	Boston, MA 02110	2749 Lockport		İ				NEW TRANSM	
Attn:	Chris Greene	Niagere Falls,	NY 14305				TRANSM	NESUBMITTA	LOF
	IFICATION SEC. NO. (Cover only one section with	PROJECT TITLE AND	OCATION:	L				THIS TRANSM	
each tr	ranemittal	Ventron/Velsicol Supr		L4			OR DF10		
	n 2200 Common Fill	Wood-Ridge and Car	istadt Borougi	ns New Jerse	N .	•		APPROV	PUL.
ITEM	DESCRIPTION OF ITEM SUBMITTED	MFG OR CONTR. CAT.	NO,	CONTRACT	REFERENCE	FOR CO	NTRACTOR	VARIATION	FOR CE
NO.	(Type size, model numberietc.)	CURVE	OF		MENT	USE	CODE	(See	USE
		DRAWING OR BROCHURE NO.	COPIES	SPEC. PARA, NO.	DRAWING SHEET NO.			Instruction	CODE
a.	<b>b.</b>	C.	đ.	A.	aneer No.		<b>a</b> .	No. 6) h.	
***************************************									
1	Tilcon Overburden Test Report	MTI # S-5495	5	2.01A				Yes	
2	East Coast - Stavola Overburden Test Report	MTI # S-5496	5	2.01A				Yes	
								,,,,	
REMAR	arca								
REMAR	NO .							reviewed in de t drawings and	
Test re	suits are for particle size distribution				s axcept as of			r cusarusta auc	
Neither	sample meets the specification for common fill. Sevenso	n requests a variation to us	se these		715				
maters	is as common fill for both in the Buffer Zone and as exce	vation area common fill.		1	/./	ゞ゙゙゙゙゙゙゙゙゙゙゙゙゙゙゙゙゙゚゚゙ヾ゚゠	C55		
					Tial age	and Dispers	TURE OF CO	NOTE A COTO CO	<del></del>
		SECTION II - AP	PROVAL ACT	TION	NAMEA	un alala	TUNE OF CO	HIRACIUK	
ENCLO	SURES RETURNED (List by Item No.)	NAME, TITLE AND SIGNA			PITY	DATE			
	the state of the s		THE STREET		FEN#				
						1			
		ĺ							

Reverse of ENG FORM 4025



				_	21 4 WI 2 AIRE	******		
		% GR	AVEL		% SANE		% FINES	
	% COBBLES	CRS.	FINE	CRS.	MEDIUM	FINE	SILT	CLAY
-	0.0	8.7	16.1	4.8	7.9	18.5	44.0	

SIEVE	PERCENT	SPEC.* PERCENT	PA88?
SIZE	FINER		(X=NO)
2.5 in. 2.0 in. 1.5 in. 1.0 in. 1.0 in. 1.2 in. 1/2 in. 1/3 #4 #8 #16 #30 #200	100.0 100.0 100.0 93.5 91.3 86.3 82.3 75.2 71.2 67.8 64.5 59.8 52.3 44.0	50 - 70 0 - 30	x

	Soil Description	!
Reddish brown s	ilty sand with gravel	
PL≅	Atterberg Limits	i Pi¤
D <sub>85</sub> = 11.6 D <sub>30</sub> = C <sub>u</sub> =	Coefficients D60 <sup>a</sup> 0.307 D15 <sup>a</sup> C <sub>c</sub>	D <sub>50</sub> = 0.124 D <sub>10</sub> =
uscs= sim	Classification AASH	TO=
Sample Fails Sp F.M.=2.36	Remarks ecifications for Com	non fill.

Sevenson-Common fill

Sample No.: S-5496

Source of Sample: Ventron Superfund Site

Location: Stavola-Overburden-Bast Coast Common Fill

Date: 6/1/09

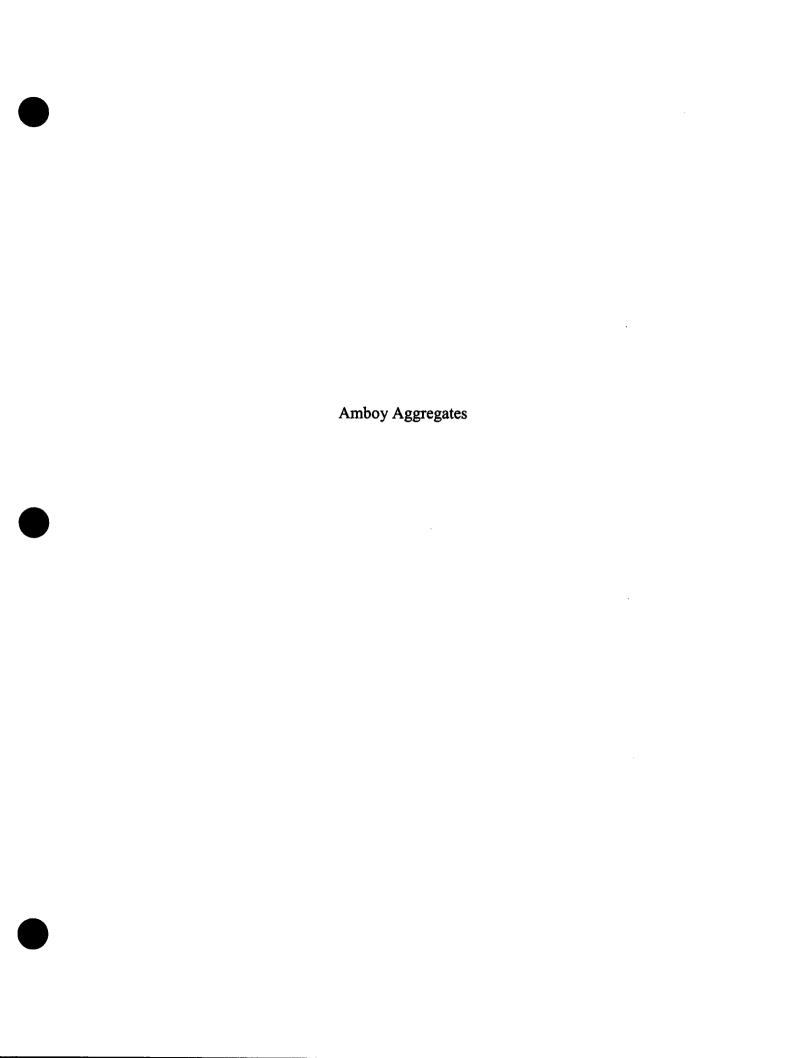
Elev/Depth:

MATERIALS TESTING, INC. Client: Sevenson Environmental

Project: Ventron/Velsicol Superfund Site

Project No:

MTI# S-5496



TRAN	SMITTAL OF SHOP DRAWINGS, EQUIPMENT	DATA, MATERIAL SAI	MPLES, OR	DATE:			TRANSMIT	TAL NO.	
	MANUFACTURER'S CERTIFICATES	OF COMPLIANCE		July 16,	2009		22	00 04 /	
_					****	44 4		00-04-1	<b>/</b>
	SECTION I - REQUEST FOR AP	PROVAL OF THE FOLL	OWING ITEMS	(This section Sevenson	will be initiated Job No. 100	by the co	CHECK OI	<u> </u>	
	PARSONS	FROM: Sevenson Envi 2749 Lockport		Sevenson .	JOD NO. 1UU	0		NEW TRANSM	IITTAL
	50 Federal Street 4th Floor	Niagara Falls, l						RESUBMITTA	
	Boston, MA 02110	Nayara Fans, i	11 14300				TRANSM	ITTAL	
	Chris Greene FICATION SEC. NO. (Cover only one section with	PROJECT TITLE AND	OCATION:			C	HECK ONE:	THIS TRANSM	ITTAL IS
	nsmittal	Ventron/Velsicol Supe		-1			OR II FIO		
	2200 Common Fill	Wood-Ridge and Car	stadt Borougi	ns New Jerse	<del>:</del> y				
ITEM	DESCRIPTION OF ITEM SUBMITTED	MFG OR CONTR. CAT.	NO.	CONTRACT	REFERENCE		NTRACTOR	VARIATION	FOR CE
NO.	(Type size, model number/etc.)	CURVE	OF		MENT	USE	CODE	(See	USE
		DRAWING OR	COPIES	SPEC. PARA. NO.	DRAWING SHEET NO.		i	instruction No. 6)	CODE
	<b>.</b>	BROCHURE NO. c.	d.	e.	f.		g.	h.	[ i. ]
<u>a.</u>	ь.	164	<u> </u>	<del>                                     </del>			1		
1	Amboy Aggregates Clean Sand Chemical Test	Waste Stream	5	2.01A		·		None	
] 1	Report	Viado Ou Carri	Ŭ						
	Report								
<b></b>		<del></del>							
				<b>†</b>					
ļ <u>.</u>				<del> </del>	<del> </del>				
				<del> </del> -		<u> </u>		<del> </del>	
<b></b>				<del> </del>			<del>                                     </del>	<del></del>	
L			<u> </u>	<del> </del>	ļ ———		<del> </del>		
<u></u>			<u> </u>					<del></del>	
	ARM AND AND ARM AND ARM AND ARM AND ARM AND ARM AND ARM AND ARM AND AN			ļ			<del> </del> -	ļ	
		<u> </u>		ļ	<u> </u>				
				<u> </u>	ļ	<u> </u>			<u> </u>
				ļ	ļ		ļ		
			<u> </u>		<u> </u>	<u> </u>	L	<u> </u>	
REMA	RKS			I certify that	the above sub	mitted iter	ns have been	reviewed in de	etali and are
]				specificatio	ns except às of	her wise s	stated.	t drawings and	•
1					- 1/	, <i>]}</i>	X	7 JAYSOI	1 5-401
					- 11-11		1	7	) THEK
<u></u>				/	NAME	IND SIGN	TURE OF CO	MIRACTOR	
		SECTION II - AI			/	T = .==		<del></del>	
ENCL	SURES RETURNED (List by Item No.)	NAME, TITLE AND SIGN	ATURE OF APP	ROVING AUTH	ORITY	DATE			
1						1			
1		1							
		<u> </u>				<u></u>			

- Reverse of ENG FORM 4025

### WASTE STREAM TECHNOLOGY, INC.

302 Grote Street Buffalo, NY 14207 (716) 876-5290

Analytical Data Report Report Date: 07/16/09 Work Order Number: 9G09006

Prepared For Rick Elia Jr.

Sevenson Environmental Services 2749 Lockport Road Niagara Falls, NY 14302 Fax: (716) 285-4201

Site: Ventron-Velsicol 1008

Tyclosed are the results of analyses for samples received by the laboratory on 07/09/09. If you have any jestions concerning this report, please feel free to contact me.

Sincerely,

Brian S. Schepart, Ph.D., Laboratory Director

5\_s. Suly

ENVIRONMENTAL LABORATORY ACCREDITATION CERTIFICATION NUMBERS
NYSDOH ELAP #11179 NJDEPE #73977 PADEP #68757 CTDPH #PH-0306 MADEP #M-NY068





Project: Ventron-Velsicol

2749 Lockport Road

Project Number. Ventron-Velsicol 1008

Niagara Falls NY, 14302

Project Manager: Rick Elia Jr.

Reported: 07/16/09 14:16

### ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received	
Amboy Aqq. Clean Sand	9G09006-01	Soil	07/08/09 12:00	07/09/09 10:00	

2749 Lockport Road Niagara Falls NY, 14302 Project: Ventron-Velsicol

Project Number: Ventron-Velsical 1008

Project Manager: Rick Elia Jr.

Reported: 07/16/09 14:16

### Metals by EPA 6000/7000 Series Methods

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Amboy Aqq. Clean Sand (9G09006-01) Soil	Sampled: 07/08/09	12:00 Rec	eived: 07/0	<b>/09 10:00</b>					
Silver	ND	0.50	mg/kg dry	1	AG90903	07/09/09	07/09/09	EPA 6010B	
Aluminum	786	2.50	•	••			*	ø	
Arsenic	1.83	1.70	۳	**	v	•	*	u	
Berium	1.09	1.00			"	•	*)	=	
Beryllium	ND	0.50	•	v				**	
Cadmium	ND	1.00		19	•	4	•	70	
Cobalt	1.09	1.00	*		41		U	*	
Chromium	3.42	1.00	•	tı				17	
Copper	2.12	1.00	*	**			•	11	
Mercury	ND	0.012			AG91002	07/10/09	07/10/09	EPA 7471A	
Manganese	50.1	1.00		u	AG90903	07/09/09	07/09/09	EPA 6010B	
Nickel	2.66	1.00	11		u	*	•		
Lead	ND	4.10				n	•	to to	
Antimony	ND	1.40		•	w	w	•	•	
Selenium	ND	1.40	16	•	*		19	•	
Thallium	ND	1.00		e	*		•	*	
\nadium	4.87	1.00	•		**	H		n	
ane .	8.01	4.00		•	•		10	#	

2749 Lockport Road Niagara Falls NY, 14302 Project: Ventron-Velsicol

Project Number: Ventron-Velsicol 1008

Project Manager: Rick Elia Jr.

Reported: 07/16/09 14:16

### Organochlorine Pesticides and PCBs by EPA Methods 8081A /8082

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Amboy Aqq. Clean Sand (9G09006-01) Soil	Sampled: 07/08/09	12:00 Rec	eived: 07/0	9/09 10:00					
alpha-BHC [2C]	ND	0.400	ug/kg dry	ı	AG91405	07/14/09	07/14/09	8081A/8082	U
Beta-BHC	ND	0.400	**	•	*	**		11	U
Gamma-BHC (Lindane)	ND	0.400	•	Ħ		17	u	•	U
Delta-BHC	ND	0.400	×		u	•	**		υ
Heptachlor	ИD	0.400		**	•	•	•	11	U
Aldrin	ND	0.400	ų	•		*	*	17	U
Heptachlor Epoxide	ND	0.400	19	Ħ	h	u	••	4	U
Endosulfan I	ND	0.400		•		4	*		U
Dieldrin	ND	0.400		U	ti	•	**	*	υ
4.4'-DDE	ND	0.400	•		ĸ	•	•	n	บ
Endrin	ND	0.400	ti			·	n	#	υ
Endosulfan II	ND	0.400	u	•	•	**	**		U
4,4'-DDD	ND	0.400	*	H	u	7	v	•	υ
Endrin Aldehyde	ND	0.400	*		*		u		υ
Endosulfan Sulfate	ND	0.400		4	*		•	•	U
4,4'-DDT	ND	0.400		11	*		*	•	U
'vdrin Ketone	ND	0.400			*	Đ	•	Ħ	U
ethoxychlor	ND	0.400	4	×	*	tr	¥f	•	U
Chlordane	ND	6.70	11	*	v	77	•	•	U
Toxaphene	ND	8.30		v	*	•	•		υ
Arocior 1016	ND	3.30	•	10		•	•	41	บ
Arecler 1221	ND	3.30	•		•	4		a	u
Aroclor 1232	ND	3.30	v	•		w	n	*	υ
Aroclor 1242	ND	3.30	u	•	**	*	ŧr	•	u
Aroclor 1248	ND	3.30	п	87		•	10	n	υ
Arocior 1254	ND	3.30	*				H	•	U
Arcelor 1260	ND	3.30	•	•	*			u	U
Surrogate: Tetrachloro-meta-xylene		102 %	82-	123		,	,	•	
Surrogate: Decachlorobiphenyl		106%	56-		n		,	R	

2749 Lockport Road Niagara Falls NY, 14302 Project: Ventron-Velsicol

Project Number: Ventron-Velsicol 1008

Project Manager: Rick Elia Jr.

Reported: 07/16/09 14:16

### Volatile Organic Compounds by EPA Method 8260B

### Waste Stream Technology

Anstyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Amboy Aqq. Clean Sand (9G09006-01) Soil	Sampled: 07/08/09 1	2:00 Rec	eived: 07/0	9/09 10:00					
lichlorodifluoromethane	ND	10	ug/kg dry	1	AG91304	07/13/09	07/13/09	8260B	1
chloromethane	ND	10	0	*	b	•		u	į
vinyl chloride	ND	10	•		v	Ħ	**	•	Ţ
promomethane	ND	10	•	•		•	u	<b>u</b>	1
chloroethane	ND	10	ŧ		•	*		P	1
trichlorofluoromethane	ND	10	•	n	10	**	H .	а	1
1,1-dichloroethene	ND	2	•	e	•	•		•	1
acetone	ND	10	•	**			•	•	1
carbon disulfide	ND	2	*	•	0	tr		v	1
methylene chloride	7	2	•	•	n	u	47	*	:
Methyl tert-butyl ether	ND	2	•		•		70	•	1
Acrylonitrile	ND	10		**	•		•	r	1
trans-1,2-dichloroethene	ND	2	w	•	**	ų	er		1
1.1-dichloroethane	ND	2		H	**	11		•	•
2-butanone	ND	10	h	w		•	*		
cis-1,2-dichloroethene	ND	2	U	я	r			v	,
'vorofarm	ND	2				41	w	11	,
/,1-trichloroethane	ND	2	•	**	•	H	ŧ		
carbon tetrachloride	ND	2	v					0	1
benzene	ND	2	n		et	*	b	н	1
I.2-dichloroethane	ND	2	•	**	•	•	ti ti	•	
trichloroethene	ND	2	0	10		•		u	
1,2-dichloropropane	ND	2	u		er				
bromodichloromethane	ND	2			11	10			
4-Methyl-2-pentanone (MIBK)	· ND	10	•	u				**	
eis-1,3-dichloropropene	ND	2		w		**	•	U	
toluene	ND	2			**	0	•		
trans-1,3-dichloropropene	ND	2			•	•	11		
1,1,2-trichloroethane	ND	2	tt	ų	•			=	
tetrachloroethene	ND	2			•			*	
dibromochloromethane	ND	2			**	11	er er	•	
1.2-dibromoethane	ND	2		tr			19	**	
chlorobenzene	ND	2		17		•	•	v	
1,1,2-tetrachloroethane	ND	2	v		17	u	•	₩	
ethylbenzene	ND	2			**	H	v	•	
m,p-xylene	ND	4	•					•	
o-xylene	ND	2	n	11			*	4	
styrene	ND	2	•	•	U	*	er er		
promoform	ND	2		67		4	n	w	
Acrolein	ND	10	0	4	•	n	•	11	
Methyl Acetate	ND	10			**	11	4		
1,1,2,2-tetrachloroethane	ND	2		e		H	u	n	

Waste Stream Technology

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

2749 Lockport Road Niagara Falls NY, 14302 Project: Ventron-Velsicol

Project Number: Ventron-Velsicol 1008

Project Manager: Rick Elia Jr.

Reported: 07/16/09 14:16

### Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Amboy Aqq. Clean Sand (9G09006-01) Soil	Sampled: 07/08/09	12:00 Rec	eived: 07/09/	09 10:00					
Tert-butyl alcohol	ND	100	ug/kg dry	1	AG91304	07/13/09	07/13/09	8260B	τ
1,2-dibromo-3-chloropropane	ND	10	w	**					
Surrogate: Dibromofluoromethane		94.1 %	78-11	5	,			4	
Surrogate: 1,2-Dichloroethane-d4		92.6 %	79-11	8	•	*			
Surrogate: Toluene-d8		94.2 %	84-11	0	•	*	•	•	
Surrounte: Romandiunrahenzene		102 %	81-11	8		•	· #	*	

2749 Lockport Road Niagara Falls NY, 14302 Project: Ventron-Velsicol

Project Number: Ventron-Velsicol 1008

Project Manager: Rick Elia Jr.

Reported: 07/16/09 14:16

### Semivolatile Organic Compounds by EPA Method 8270C

### Waste Stream Technology

Analyte	Result	porting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Amboy Aqq. Clean Sand (9G09006-01) Soil	Sampled: 07/08/09 12:	00 Rec	eived: 07/0	9/09 10:00					
N-Nitrosodimethylamine	ND	67	ug/kg dry	1	AG91515	07/15/09	07/15/09	8270C	
bis(2-chloroethyl)ether	ND	67	•	•		n		•	
phenol	ND	130			•	**	•		
2-chlorophenol	ND	130	•	e			•	•	
1,3-dichlorobenzene	ND	67	•	u	•	**	tt	•	
1,4-dichlorobenzene	ND	67	n	•	11	tt	11	•	
1,2-dichlorobenzene	ND	67	•	•	•	**		e	
benzył alcohol	ND	67	•	*		•	•	w	
bis(2-chloroisopropyi)ether	ND	67					•	19	
2-methylphenol	ND	67	0	10	ø	*		•	
hexachioroethane	ND	67	•	•	9		น	•	
N-Nitrosodi-n-propylamine	ND	67		•	#	u		•	
3 & 4-methylphenol	ND	130	•	•	•	W		tr	
nitrobenzene	ND	67	•	*	4		H	a	
isophorone	ND	67	D.	v	#	n	n	ti	
2-nitrophenol	מא	130	10	11	17	•	Ð		
\4-dimethylphenol	ND	130	10	#	u	a	#	*	
Jis(2-chloroethoxy)methane	ND	67	п			. **		•	
benzoic acid	ND	330		•	4	•	•	v	
2,4-dichlorophenol	ND	130		1)	r		•	u	
1,2,4-trichlorobenzene	ND	67		**	ø	•	w		
naphthalene	ND	67	•	•	10	**	u		
4-chloroaniline	ND	67	**			9	18		
hexachlorobutadiene	ND	67			*	n			
4-chloro-3-methylphenol	ND	130			a	*	•	v	
2-methylnaphthalene	ND	67		11	n		#	•	
hexachlorocyclopentadiene	ND	130	•	n	10		19		
2,4,6-trichlorophenol	ND	130	11			w	77		
2,4,5-trichlorophenol	ND	67				,,		9	
2-chloronaphthalene	ND	67		**		•		•	
2-cinoronapranacine 2-nitroaniline	ND	67		••				**	
acenaphthylene	ND	67		ø			•		
Dimethyl phthalate	ND	67			,,		17	•	
2,6-dinitrotoluene	ND	67					٠	•	
acenaphthene	ND	67				π		•	
3-nitroaniline	ND	67	•					•	
2,4-dinitrophenol	ND	130		**				0	
dibenzofuran	ND ND	67	e	*	0		v		
2.4-dinitrotoluene	ND	67	10		,		10		
4-nitrophenol	ND	130			•	11	*		
←ntropnenoi Nuorene	ND ND	67							
						_	_		
4-Chlorophenyl phenyl ether	ND	67	•	•	•	-	•	•	

Waste Stream Technology

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

2749 Lockport Road Niagara Falls NY, 14302 Project: Ventron-Velsicol

Project Number: Ventron-Velsicol 1008

Project Manager: Rick Elia Jr.

Reported: 07/16/09 14:16

### Semivolatile Organic Compounds by EPA Method 8270C

Analyte	•	orting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Amboy Aqq. Clenn Sand (9G09006-01) Soil	Sampled: 07/08/09 12:00	Rec	eived: 07/09/	09 10:00					
Diethyl phthalate	ND	67	ug/kg dry	1	AG91515	07/15/09	07/15/09	8270C	U
4-nitroaniline	ND	67	*	•	п	•	11		U
4,6-Dinitro-2-methylphenol	ND	130		47	•	H	•		U
n-nitrosodiphenylamine	ND	67		-	u	*	•	11	ט
4-bromophenylphenylether	ND	67	ч			19	•		U
hexachlorobenzene	ND	67		tr	•	•	7	•	U
pentachlorophenol	ND	130	•	n	84	•	•	11	U
phenanthrene	ND	67	0	•	e	a	#	•	U
anthracene	ND	67			n	**	T		บ
carbazole	ND	67	•	**	•		•	٧	U
Di-n-butyl phthalate	ND	67	•		w	**	F	71	U
benzidine	ND	330	o	•		10	n	*	U
fluoranthene	ND	67	M	W	•	<b>w</b>	•	ŧ	U
3,3'-Dichlorobenzidine	ND	67	•	*	r	*		11	U
pyrene	ND	67	0		12	•	u	H	U
Butyl benzyl phthalate	ND	67	•		N	*	•	•	U
Tenzo (a) anthracene	ND	67	•	v	•	•			u
rysene	ND	67	tr	•	n		tr	H	υ
bis(2-ethylhexyl)phthalate	ND	67	**	•	7	11	n		U
Di-n-octyl phthalate	ND	67			•	•		ti .	U
Benzo (b) fluoranthene	ND	67				v	•	•	IJ
Benzo (k) fluoranthene	ND	67	0		**	10	•	•	U
Benzo (a) pyrene	ND	67	,	47		•	•		U
Indeno (1,2,3-cd) pyrene	ND	67	•	•	H	•	•	Ħ	บ
Dibenz (a,h) anthracene	ND	67	•	*	v		"	•	U
Benzo (g,h,i) perylene	ND	67			•	n	•		υ
Acetophenone	ND	67		u		*		u	t
Caprolactam	ND	67	**	•	*	41	**	•	U
1,1'-Biphenyl	ND	67		n	*	ti	11	н	U
Atrazine	ND	67	•		•			U	υ
Benzaldehyde	ND	67	•		•	en		*	u
1,2-Diphenylhydrazine	ND	67			**		47		υ
Surrogate: 2-Fluorophenol	73	3.1 %	59-1	01	*	,		u	
Surrogate: Phenol-d6	74	1.7 %	64-1	05	•	•	•	*	
Surrogate: Nitrobenzene-d5	65	5.6%	58-1	0.5	•		*		
Surrogate: 2-Fluorobiphenyl	78	8.8 %	67-10	01	•	•	*	*	
Surrogate: 2,4,6-Tribromophenol	81	1.6%	63-1	98	٠		ø	v	
Surrogate: Terphenyl-d14	68	8.6 %	38-1.	33	•	•	*	•	

Project Ventron-Velsicol

2749 Lockport Road

Project Number: Ventron-Velsicol 1008

Niagara Falis NY, 14302

Project Manager. Rick Elia Jr.

Reported: 07/16/09 14:16

### Conventional Chemistry Parameters by EPA Methods

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Amboy Aqq. Clean Sand (9G09006-01) Soil	Sampled: 07/08/09	12:00 Rea	:eived: 07/0	9/09 10:00					
Cyanide (total)	ND	0.50	mg/kg dry	1	AG91410	07/13/09	07/14/09	EPA 9014	
рH	8.27	0.10	pH Units		AG91614	07/16/09	07/16/09	EPA 9045C	
% Solids	94.5	0.1	%	*	AG91004	07/09/09	07/10/09	% calculation	

Sevenson Environmental Services Project: Ventron-Velsicol
2749 Lockport Road Project Number: Ventron-Velsicol 1008 Reported:
Niagara Falls NY, 14302 Project Manager: Rick Elia Jr. 07/16/09 14:16

### **Notes and Definitions**

U Analyte included in the analysis, but not detected at or above the reporting limit.

B Analyte is found in the associated blank as well as in the sample (CLP B-flag).

DET Analyte DETECTED

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

dry Sample results reported on a dry weight basis

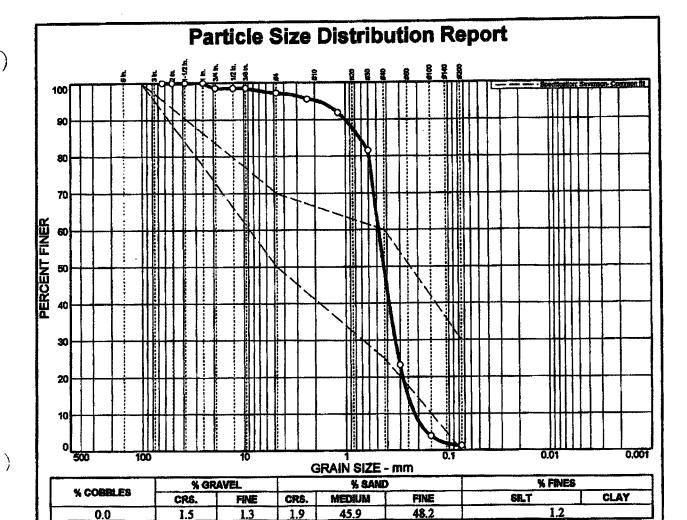
RPD Relative Percent Difference

REPOR	ሽ <b>10</b> :	] .	ACCUMENTAL .	TECH	California de la como	and the second				GROUP	#	91	باد	MC	<i>YOL</i>	<u>0</u>		· · · · · · · · · · · · · · · · · · ·
<u> 3</u> c	Jenson Francourer	e/ 30	<b>Vaste \$</b> 12 Grote	Stream Stree	r Tech t. Buff	<b>molog</b> alo, NY	y Inc. ′ 14207	7	·L	DUE DA	TE_		•				ARE SPECIAL DE	rection lin
	0 1008		16) 878								_   •	TURN.	IUOFIA	ND TIN	Æ:		YES N If you prease attach	
We	ood-Ridge Add						INKING		SL S SO S	LUDGE			5 4	24				
CONTAC					- 1	SW SI	ROUND V REACE ' ASTE WA	WATER		OLID	1	QUOTA	MOITA	NÚMB	ER:		Is a OC Package I	equired:
PH.#(	201 933-0019					ö' ö			OTHE						<del></del>		I! yes olease attac	n requiremen
FAX#(	20 933 1996			1		1	J+,		ANA	LYSES	TO BE	PERF	ORME	D	•		/	
BILL TO	):	] /	,	1,	/-	/ £										/		
عد	annon Enway		- 1	/	<i>'</i>	ŀ <i>₹.</i>	Ü			I	- 1	1	- /	1	' 1	' [		
	anna Enuvay		TME OF G.			LI DEP CONTAINERS	y	<i>f</i>										! ••
PROJEC	/ 87 9 6 &	DATE SALE	¥ / ;	SAMPLET	#/	12 UED 040	1	-I			1	-/	f					•
	phran Velocal	1 8			i/3		<i>\$</i>   -	-/	• [			1					·	
SAMPLI	ER GIGNATURE		N N N N N N N N N N N N N N N N N N N			ĮŽ.		-/		1		1	1	1		TYPE	E OF CONTAINER/	OFFICE
	SAMPLE HE S	1	1~	/ "	1"	141	7				ļ. 		<i> </i>			/ CON	MENTS:	WST. L
1 )	Whoy Ago Clean Sand	7/2	12.00	34	3	"	~									216	15m Jar	- C
2																1		
3																		
4				•														
5											-							T
6			1	1								1						
7		1																
8	•																	
9	······································	1	1								•		Ī					
10			1	1														
REMAR	RKS:	•																
	New Jersey	73G	7	هصرط	Len	لما	d.	ed in	Se	1.								
			`		1 1	· · • • •	- •	(		•								
RELING	HISHED RY:		DATE:	8/2		TIME:	)	. Eq.		RECEIVE	XX:		11	be	<u>_</u>		DATE:	A TIME
	スノンシノレー・スペ		1 ( )	0 12	2)	1 £	42	> 1/4		RECEIVE	117	<u> </u>	4	TT			DATE:	TIME

. . . . . . .

TRAN	ISMITTAL OF SHOP DRAWINGS, EQUIPMENT		MPLES, OR	DATE:			TRANSMITTAL NO.			
	MANUFACTURER'S CERTIFICATES	OF COMPLIANCE		July 20,	2009		22	00-07		
	SECTION I - REQUEST FOR A	PROVAL OF THE FOLL	OWING ITEMS	(This section	will be initiated	i by the co		00-07		
	PARSONS	FROM: Sevenson Envi	ronmental		Job No. 100		CHECK O			
	150 Federal Street 4th Floor	2749 Lockport					X THIS IS A NEW TRANSMITTAL  THIS IS A RESUBMITTAL OF			
	Boston, MA 02110	Niagara Falis, I	NY 14305				TRANSM		LOF	
	Chris Greene FICATION SEC. NO. (Cover only one section with	PROJECT TITLE AND	OCATION:	L				THIS TRANSM	TT41 10	
	rication Sec. No. (cover only one section with ansmittal	Ventron/Velsicol Supe		.4			OR [] FIO			
	2200 Common Fill	Wood-Ridge and Car			•v	i.	on a rio	A AFFRUV	AL	
ITEM	DESCRIPTION OF ITEM SUBMITTED	MFG OR CONTR. CAT.	NO.		REFERENCE	FOR CO	NTRACTOR	VARIATION	FOR CE	
NO.	(Type size, model number/etc.)	CURVE	OF		MENT	USE	CODE	(See	USE	
		DRAWING OR	COPIES	SPEC.	DRAWING			instruction	CODE	
a.	ь.	BROCHURE NO. c.	d.	PARA. NO. e.	SHEET NO.	1	~	No. 6) h.		
<del></del>	N/s	<u>.</u>	4.	<b></b>	<del>'</del>		<u>y.</u>	41.		
1	Amboy Aggregates Clean Sand fill Civil Test	MT Group	5	2.01				None		
	Report	,,,,,				,		10000		
	,									
REMAI	RKS			I certify that	the above sub	nitted item	s have been	reviewed in de t drawings and	tail and are	
Forus	in the buffer zone			correct and	in strict confor is except as/oti	mance wit	h the contrac	t drawings and		
"	s iit die Duiter zone			specification	is except as ou	HET WISE S	gated.			
					7/	1	1 -		,	
				-	-47			JAYS	as	
		OFOTION! " AS	DDOVAL 40		// NAME A	NE SIGNA	TURE OF CO	NTRACTOR 6	TARK	
	ACUBE A DESCRIPTION OF A LANGE AND A LANGE	SECTION II - AP			// //					
ENCLO	OSURES RETURNED (List by Item No.)	NAME, TITLE AND SIGNA	TURE OF APPR	OVING AUTH	DRITY	DATE				
1										
}							`			
L		<u> </u>				L				

Reverse of ENG FORM 4025



SIEVE	PERCENT	SPEC.*	PASS?
SIZE	FINER	PERCENT	(X=NO)
2.5 in. 2.0 in.	100.0 100.0		
1.5 in.	100.0		
1.0 in. 3/4 in.	100.0 98.5		
1/2 in.	98.5 98.5	1	
3/8 in.	98.5	50 70	
#4 #8	97.2 95.5	50 - 70	Х
#16	91.9		
#30 #50	81.5 23.2	į	
#100	3.9		
#200	1.2	0 - 30	
	_		
	`		
		1	
			]

Brown Poorly G	<b>Soil Description</b> Brown Poorly Graded Sand						
PL=	Atterberg Limits	Ple					
D <sub>85</sub> = 0.721 D <sub>30</sub> = 0.334 C <sub>U</sub> = 2.19	Coefficients D60= 0.478 D15= 0.253 Cc= 1.07	D50= 0.428 D10= 0.218					
USCS= SP	Classification AASHT	ro=					
F.M.=2.10	Remarks						

Sevenson-Common fill

Sample No.: S-5519

Source of Sample: Ventron Superfund Site

Date: 07/08/09

Location: Amboy Aggregate

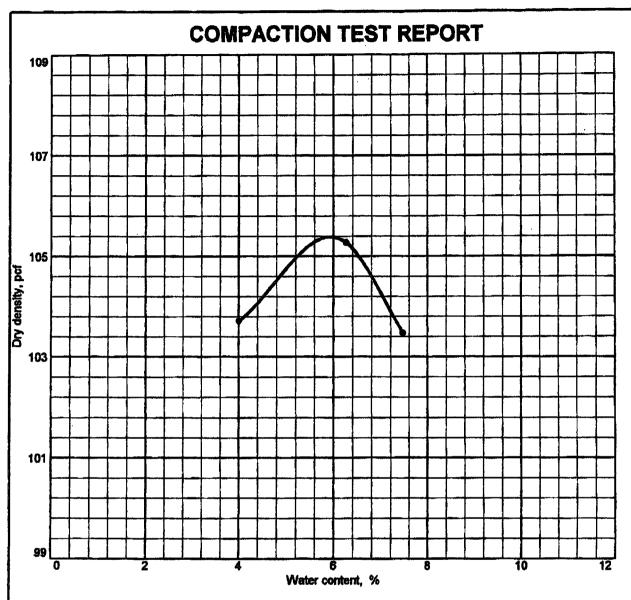
Elev/Depth:

**MATERIALS** TESTING, INC. Client: Sevenson Environmental

Project: Ventron/ Velsicol Superfund Site

**Project No:** 

S-5519 MTI#



Test specification: ASTM D 1557-91 Procedure A Modified

Elev/	Classification		Nat.	Sp.G.	.,	PI	%>	%<
Depth	USCS	USCS AASHTO		Moist. Sp.G.		PI	No.4	No.200
	SP						2.8	19
	IJ.		i				2.0	1.4

TEST RESULTS

Maximum dry density = 105.4 pcf

Optimum moisture = 5.9 %

Project No. Client: Sevenson Environmental Project: Ventron/ Velsicol Superfund Site

Location: Amboy Aggregate

COMPACTION TEST REPORT

MATERIALS TESTING, INC.

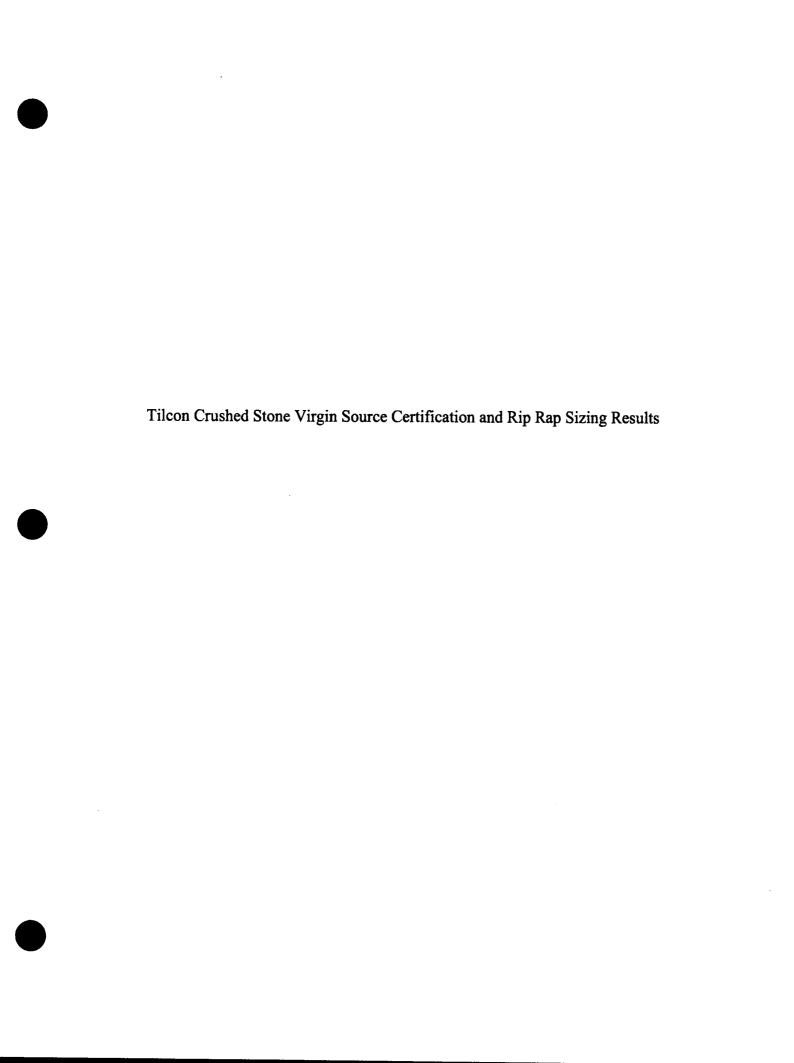
MATERIAL DESCRIPTION

Brown Poorly Graded Sand

Remarks:

Remarks:

PARSONS							
TO: Richard Elia l	I					Letter of Tr	ansmittal - 111
Sevenson Env	rironmental S	Services, Inc.			Date: August 18, 2009 Job No.: 445039		
2749 Lockport Road Niagara Falls, New York 14305				ron Velsicol Superfi veloped Area Cons			
_	C. Ken Walanski, Leopoldo Perez, Dan Hoffner, Rick Rizzo		,	Wood	i-Ridge and Carista	dt, New Jersey	
OUT INDIA IT PROMISES	, 200poza				Re: S	Submittal 2200-09	
WE ARE SENDIN	NG YOU TH	E FOLLOWING ITE	MS:	· · · · · · · · · · · · · · · · · · ·			
☐ Shop drawings		☐ Attached		Under separate	cover	via	_ the following items:
☐ Copy of Letter		☐ Prints	0	Plans		☐ Samples	☐ Specifications
☑ Submittals							
No. Copies	Descriptio	na					
one		2200-09 Geotechnics oil Screened	l Analys	is and Organi	c Cont	ent – Cedar Hill T	opsoil Wetlands and Cedar
							,
It is uncle clarify.     Screened     Rutgers to     There is produced in the	ar whether topsoil has est data – (  H test data nis submitta	s insufficient clay con Organic Content is in: I for the topsoil show II. Please clarify whi meet the specs. and	itent (3.2 sufficien in on the ch data one test	2%) and must t for Wetlands Analytical La is the pH data	have a topso b Test you a tgers i	a minimum of 10% oil. pH is also too t results (submitta re officially submit Data).	etlands topsoil – please b. high, cannot exceed 7.2. 2200-08) and pH data tting for these samples.
Darland M. O.							
Reviewed - No Co Comments as Note				_ <u>_</u> _			
Revise & Resubmi Not Subject to Rev		2200-09					
The comments are requirements of the Contractor of any	provided by e Construction responsibility	Parsons on behalf of I on Contract Document of for the completeness liability therefore on the	s includi: or correc	d Haas. Contra	l requi: or accu	rements. This revie tracy of any drawin	
By Robert Sy	vabsin		_Date	August 18, 20	009		



TRAN	NSMITTAL OF SHOP DRAWINGS, EQUIPMENT MANUFACTURER'S CERTIFICATES	2200-02							
	SECTION I - REQUEST FOR A	APPROVAL OF THE FOLLO	OWING ITEMS	(This section	will be initiated	d by the co	ontractor)		
Attn:	PARSONS 150 Federal Street 4th Floor Boston, MA 02110 Chris Greene	FROM: Sevenson Environmental 2749 Lockport Road Niagara Falls, NY 14305		Sevenson	Job No. 100	)8		NEW TRANS# A RESUBMITTA	
each tr Section	ansmittal n 2200 Common Fill	ORD O					X APPROV		
ITEM NO.	DESCRIPTION OF ITEM SUBMITTED (Type size, model number/etc.)	MFG OR CONTR. CAT. CURVE	NO. OF		REFERENCE JMENT		NTRACTOR E CODE	VARIATION (See	FOR CE USE
a.	b.	DRAWING OR BROCHURE NO. c,	COPIES d.	SPEC. DRAWING PARA. NO. SHEET NO.				instruction No. 6) h.	CODE
<del></del>	<b>v.</b>	<u> </u>	O.	<u>e.</u>	f	<del>                                     </del>	I	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	
1	Test results and virgin certification for 1 1/2 " Clean Stone (Oxford Quarry and Riverdale Quarry)	See attached	5	2.01 7				Yes	
2	Rip Rap Sizing Results	See attached	5	2.01				Yes	
REMAI	RKS results are in addition to Transmittal 2200-01			correct and	in strict confor	mance with	h the contrac tated.	reviewed in de at drawings and	tail and are
		SECTION II - AP	PROVAL AC	TION /	Comment of the Party of the Par	TEPOTORM	TORE OF CO	MINACION	
ENCLO	OSURES RETURNED (List by item No.)	NAME, TITLE AND SIGNA			PRITY	DATE			

# TILCON NJ - Mt. Hope Facility

July, 2007

### Rip Rap Sevenson Materals

Tilcon-NJ confirms that the Rip Rap available at Mt. Hope Quarry Conforms to the quality requirements of section 901 of *The New Jersey Department of Transportation Standard Specifications for Road and Bridge Construction.* It is defined as virgin Gnelss mined at Mt. Hope Quarry, 625 Mt. Hope Rd. Blk 20001-Lot 6.01Wharton Boro, Morris County NJ. The material is identified on the job with Tilcon NJ delivery tickets.

This Rip Rap has the following properties:

Sodium Sulfate Soundn	ess (ASTM C88)	2.0% Loss
Water Absorption	(ASTM C97)	0.50%
LA Abrasion	(ASTM-C535)	13,65% Loss
Bulk Specific Gravity	(ASTM-C97)	2.72
Freeze-Thaw Test	(ASTM-T103)	2.4% Loss

And the following Gradation

D <sub>100</sub>	18
Dea	12
D <sub>10</sub>	6

If you have anyquestions or concerns, please call.

(973)-386-3740 Central Materials Lab Tilcon, NJ

## TILCON-NY Riverdale Quarry

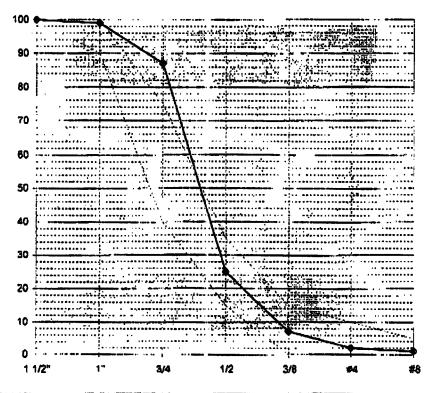
Fax 973-989-0178

125 HAMBURG TURNPIKE • RIVERDALE, N.J. • 973-366-7741

### Typical Gradation #56 (3/4" Granite)

				<b></b>	
•	Projec	:t		100	•
				90	
	Contrac			80	hanne gandy a tig og
s	evenson M	aterials		70	
Sp. Gr		2.74			
Loose	-	89		60	
Rodded	<u>.                                    </u>	102		j 50 ·	
	Typical % Pass	Prod.	Target High	40	
1 1/2"	100	100	100	1	
1"	99	90	100	30	
3/4	87	40	75	20	
1/2	25	15	35	] : "	
3/8	7		15	1 10.	****************

10



Tilcon-NJ confirms that the #56 (3/4" Granite) available at Riverdale Quarry conforms to the quality requirements of section 901 of The New Jersey Department of Transportation Standard Specifications for Road and Bridge Construction. It is defined as virgin Gneiss mined at Riverdale Quarry, 125 Hamburg Tumpike, Block 13-Lots 25-29 Borough of Riverdale, Morris County. The material is identified on the job with Tilcon NJ delivery tickets.

The unit weights and voids are for process control and should be verified by the contractor before use.

## TILCON-NY

### **Oxford Quarry**

Fax 973-989-0178

MT PISGAH & QUARRY AVE • P.O. BOX 120 • OXFORD, N.J. 07863 • 908-463-4141

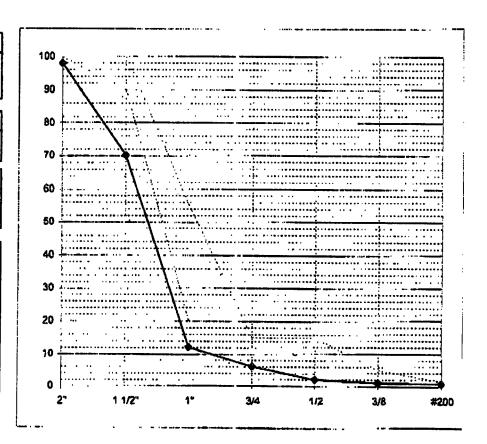
### Typical Gradation #4 (1 1/2"Granite)

 Proje	ect	

Contractor	_
Sevenson Materials	
201-933-1996	
	Sevenson Materials

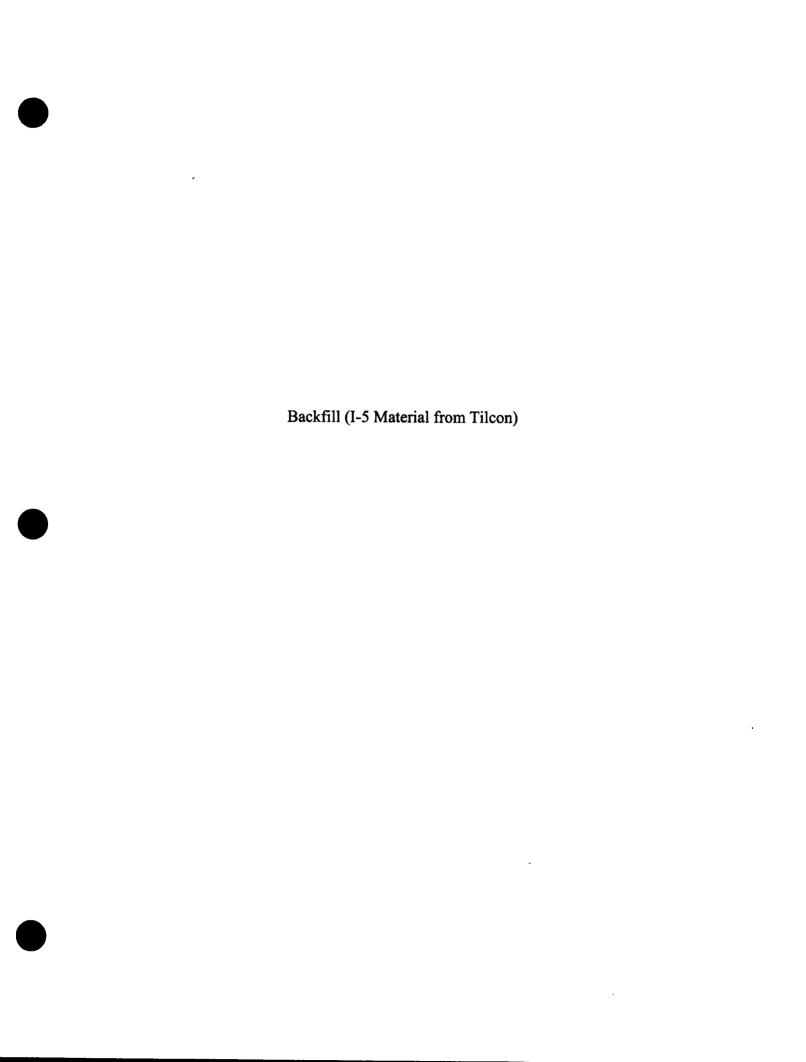
Sp. Gr	2.88
Loose	118.7
Rodded	118.3

	Typical	Prod.	Target		
	% Pass	Low	High		
2"	98	100	100		
1 1/2"	70	90	100		
1"	12	20	55		
3/4	6		15		
1/2	2		15		
3/8	1		5		
#200	0.7		1.5		

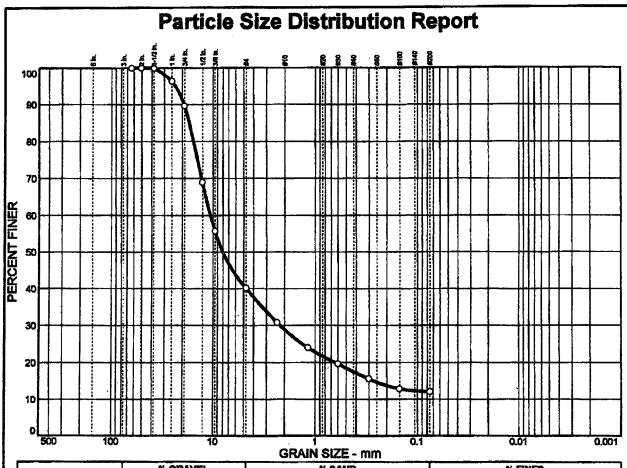


Oxford Quarry confirms that the #4 (1 1/2"Granite) available at Oxford Quarry conforms to section 901 of *The New Jersey Department of Transportation Standard Specifications for Road and Bridge Construction. The material* is defined as virgin granite mined at Oxford Quarry Quarry Road & Mt Plagah Ave, Block 33-Lot 21 & 22 White Township, Warren County. The material is identified on the job with Tilcon NJ delivery tickets.

The unit weights and voids and typical gradation are for process control and should be verified by the contractor before use.



TRAN	TRANSMITTAL OF SHOP DRAWINGS, EQUIPMENT DATA, MATERIAL SAMPLES, OR MANUFACTURER'S CERTIFICATES OF COMPLIANCE				DATE: September 23, 2009 TRANSMITTAL NO. 2200-04						
	SECTION I - REQUEST FOR AF	PROVAL OF THE FOLL	OWING ITEMS	<del>andra are reserved and</del>							
,	PARSONS 150 Federal Street 4th Floor Boston, MA 02110 Chris Greene	FROM: Sevenson Environmental 2749 Lockport Road Niagara Falls, NY 14305		Sevenson Job No. 1007			CHECK ONE:  X THIS IS A NEW TRANSMITTAL  THIS IS A RESUBMITTAL OF  TRANSMITTAL				
each tr Section	FICATION SEC. NO. (Cover only one section with ansmittal a 2200 Common Fill	PROJECT TITLE AND Ventron/Velsicol Supe West Riser Tide Gate Wood-Ridge and Car	erfund Site OU Istadt Borougi	ns New Jerse		F	OR II FIO		AL		
NO.	DESCRIPTION OF ITEM SUBMITTED (Type size, model number/etc.)	MFG OR CONTR. CAT. CURVE	NO. OF		REFERENCE JMENT		INTRACTOR E CODE	VARIATION (See	FOR CE USE		
		DRAWING OR BROCHURE NO.	COPIES	SPEC. PARA. NO.	DRAWING SHEET NO.			Instruction No. 6)	CODE		
a.	<b>b</b> .	C.	d.	6.	<u>f.</u>	<del> </del>	<i>g.</i>	h.	i		
1	Backfill (I-5 Material from Tilcon) Civil Analysis	See attached	1	2.01A							
									-		
			·								
REMAI	 RKS cal Analysis to follow			I certify that the above submitted items have been reviewed in detail and correct and in strict conformance with the contract drawings and specifications except as other wise stated.  I AY SON STA							
	SECTION II - APPROVAL AC				A PARTIE A		TOTAL OF CO	IUN			
ENCLO	OSURES RETURNED (List by Item No.)	NAME, TITLE AND SIGNA			DRITY	DATE					



	7. Cut Cutte 17.111								
% COBBLES	% GR	AVEL.		% SANI	% FINES	% FINES			
% GOBBLES	CR6.	FINE	CRS.	MEDIUM	FINE	SILT	CLAY		
0,0	10,4	49,4	11.3_	11.4	5,5	12.0			

SIEVE	PERCENT	SPEC."	PA88?
SIZE	FINER	PERCENT	(X≖NO)
2.5 in. 2.0 in. 1.5 in. 1/2 in. 3/8 #4 #16 #30 #50 #100 #200	100.0 100.0 100.0 96.3 89.6 68.9 55.7 40.2 30.8 24.0 19.6 15.5 12.8		

· ·	Soil Description Gray Poorly Graded Gravel With silt and sand.						
PL=	Atterberg Limits LL=	Pl=					
D <sub>85</sub> = 17.1 D <sub>30</sub> = 2.20 C <sub>u</sub> =	Coefficients D60= 10.6 D15= 0.272 Cc=	D <sub>50</sub> = 7.98 D <sub>10</sub> =					
USCS= GP-GM	Classification AASHTO	<b>=</b>					
F.M.=5.12	Remarks						

(no specification provided)

Sample No.: S-5567 Location: I-5 Material Source of Sample: Ventron Landfill

Date: 9/18/09

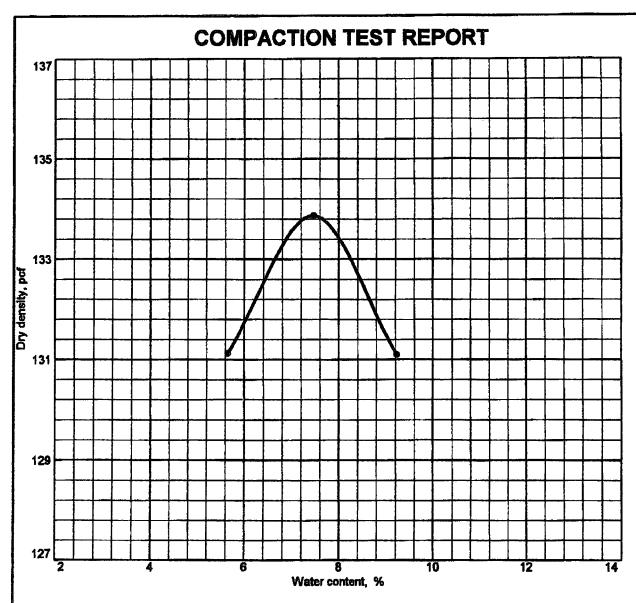
Elev./Depth:

MATERIALS TESTING, INC. Client: Sevenson Environmental

Project: Ventron/Velsicol Superfund Site

Project No:

MTI# S-5567



Test specification: ASTM D 1557-78 Method C Modified

Elev/	Classi	rication	Nat.	0-0	1.4	Pi	%>	%<
Depth	USCS	AASHTO	Moist.	Sp.G.	LL.	P1	3/4 in.	No.200
	GP-GM			-			10.4	12.0

	TEST RESULTS	MATERIAL DESCRIPTION
Maximum dry der	nsity = 133.9 pcf	Gray Poorly Graded Gravel With silt and sand
Optimum moistur	e = 7.5 %	
Project No.	Client: Sevenson Environmental	Remarks:
Project: Ventron/V	elsicol Superfund Site	
• Location: I-5 Ma	erial	
	COMPACTION TEST REPORT	
MAT	ERIALS TESTING, INC.	MTI# S-5567

BROAD STREET . POMPTON LAKES, N.J. . 973-366-7741

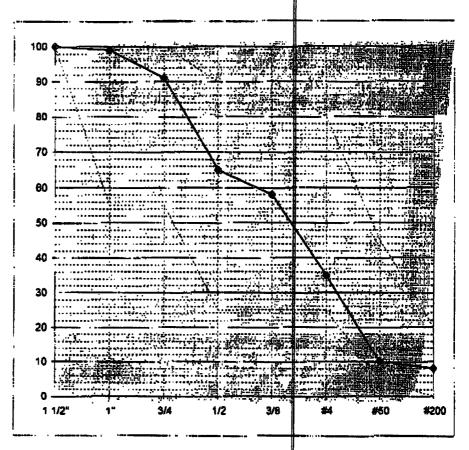
### **Typical Gradation I-5 Soil Agg**

 Project
Veltron Site

 Contractor	-
 Sevenson	_
Environmental	
	_

Sp. Gr	2.84
Loose	101
Rodded	120

	Typical	Prod.	Target
	% Pass	Low	High
1 1/2"	100	100	100
1"	99	55	100
3/4	91	55	100
1/2	65	25	90
3/8	58	25	90
#4	35	25	80
#60	10	5	45
#200	8		20



Tilcon-NJ confirms that the I-5 Soil Agg available at Pompton Lakes Quarry conforms to the quality requirements of section 901 of *The New Jersey Department of Transportation Standard Specifications for Road and Bridge Construction*. It is defined as virgin Gness mined at Pompton Lakes Quarry, Broad Street, Blk 60-Lots 60.01-50.02 Borough of Pompton Lakes, Morris County. The material is identified on the job with Tilcon NJ delivery tickets.

The unit weights and voids are for process control and should be verified by the contractor before use.

TRAN	ISMITTAL OF SHOP DRAWINGS, EQUIPMENT MANUFACTURER'S CERTIFICATES		MPLES, OR	DATE: Oct	ober 1, 2009		TRANSMI		
								00-05	·
	SECTION I - REQUEST FOR AF								
	PARSONS I50 Federal Street 4th Floor	FROM: Sevenson Envi		Sevenson .	Job No. 100	17	CHECK O		
	Boston, MA 02110	2749 Lockport Niagara Falls, I						NEW TRANSM RESUBMITTA	
	Chris Greene	Mayara Fails, i	RT 14305				TRANSM		LOP
	FICATION SEC. NO. (Cover only one section with	PROJECT TITLE AND	LOCATION:	·		C	HECK ONE:	THIS TRANSM	ITTAL IS
	ansmittal	Ventron/Velsicol Supe	rfund Site OU	-1		-			
Section	2200 Common Fill	West Riser Tide Gate				F	OR DFIO	X APPROV	AL
		Wood-Ridge and Carl	stadt Borough	s New Jerse	y				
ITEM	DESCRIPTION OF ITEM SUBMITTED	MFG OR CONTR. CAT.	NO.		REFERENCE		NTRACTOR	VARIATION	FOR CE
NO.	(Type size, model number/etc.)	CURVE DRAWING OR	OF COPIES	DOCUMENT USE CO			CODE	(See	USE
		BROCHURE NO.	COPIES	PARA. NO.	SHEET NO.			instruction No. 6)	CODE
a.	<b>b</b> .	c.	d.	<i>6.</i>	f.		a.	h.	i.
1	Tilcon I-5 Material Chemical Analysis	See attached	5	2.01A					
									· · · · · · · · · · · · · · · · · · ·
						İ			
				N					
			·						
REMAR	KS			I certify that	the above subi	nitted iten	s have been	reviewed in de	tall and are
٠	44 4 4 6 100 400			correct and i	n strict confor	mance wit	h the contrac	t drawings and	
Chemic	al Analysis from Wastestream			specification	s except as ot	her wise s	tated.		
						4			, l
				A.			VAN	hON ST	ARK
		*****			NAME A	ND SIGNA	TURE OF CO	NTRACTOR	
		SECTION II - AP	PROVAL ACT	TION "					
ENCLO	SURES RETURNED (List by Item No.)	NAME, TITLE AND SIGNA	TURE OF APPR	OVING AUTHO	RITY	DATE			
				•		,			-
									]

### WASTE STREAM TECHNOLOGY, INC.

302 Grote Street Buffalo, NY 14207 (716) 876-5290

Analytical Data Report Report Date: 10/01/09 Work Order Number: 9!24006

Prepared For Rick Elia Jr. Sevenson Environmental Services 2749 Lockport Road Niagara Falls, NY 14302 Fax: (716) 285-4201

Site: Ventron-Velsicol 1007

Enclosed are the results of analyses for samples received by the laboratory on 09/24/09. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Daniel W. Vollmer, Laboratory QA/QC Officer

Daniel V. Vou

ENVIRONMENTAL LABORATORY ACCREDITATION CERTIFICATION NUMBERS
NYSDOH ELAP #11179 NJDEPE #73977 PADEP #68757 CTDPH #PH-0306 MADEP #M-NY068





Sevenson Environmental Services Project: Ventron-Velsicol
2749 Lockport Road Project Number: Ventron-Velsicol 1007 Reported:
Niagara Falls NY, 14302 Project Manager: Rick Elia Jr. 10/01/09 15:45

### ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
Tilcon 1-5	9124006-01	Soil	09/23/09 10:30	09/24/09 10:30

2749 Lockport Road Niagara Falls NY, 14302 Project: Ventron-Velsicol

Project Number: Ventron-Velsicol 1007

Project Manager: Rick Elia Jr.

Reported: 10/01/09 15:45

### Metals by EPA 6000/7000 Series Methods

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Filcon I-5 (9124006-01) Soil	Sampled: 09/23/09 10:30 Receiv	ed: 09/24/09 1	10:30						
Silver	ND	0.50	mg/kg dry	1	A192506	09/25/09	09/25/09	EPA 6010B	
Aluminum	6620	2.50	•	•	11	*	70	1)	
Arsenic	3.05	1.70	•		п	*	•		
Barium	21.6	1.00	*	71	u	•	•	**	
Beryllium	ND	0.50	•		,	*	M	10	
Cadmium	1.08	1.00	•	•	•	•		u	
Cebalt	10.3	1.00	•		11	#	n	9	
Chromium	17.4	1.00	•	Ħ	10	*			
Copper	42.6	1.00	7	•		n	•	19	
Mercury	ND	0.012	,		AI92502	09/25/09	09/25/09	EPA 7471A	
Manganese	224	1.00	•		AI92506	09/25/09	09/25/09	EPA 6010B	
Nickel	16.8	1.00		•	v		•	19	
Lead	5.97	4.10	Ħ		11	*	•	11	
Antimony	ND	1.40	u	70	9		•	**	
Selenium	ND	1.40	71	•	11			ø	
Thallium ·	ND	1.00	u	n	19			19	
Vanadium	17.1	1.00	*	n	10	*		•	
Zinc	23.4	4.00	*	n	#		*	t)	

Project: Ventron-Velsicol

2749 Lockport Road

Project Number: Ventron-Velsicol 1007

Niagara Falls NY, 14302

Project Manager: Rick Elia Jr.

Reported: 10/01/09 15:45

### Organochlorine Pesticides and PCBs by EPA Methods 8081A /8082

Analyte	Re	sult	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Tilcon I-5 (9124006-01) Soil	Sampled: 09/23/09 10:30	Receive	1: 09/24/09	10:30						
alpha-BHC		ND	0.400	ug/kg dry	1	A192402	09/24/09	09/25/09	8081A/8082	U
Gamma-BHC (Lindane)	1	ND	0.400	Ħ		n			**	υ
Beta-BHC	i	ND	0.400		*	n	#		**	υ
Delta-BHC	1	ND	0.400	4		ŧŧ	n		**	υ
Heptachlor	1	ND	0.400	v	•	41	*	•	н	U
Aldrin	1	ND	0.400	•		•	•	•	11	U
Heptachlor Epoxide	1	ND	0.400	•		*	•		tr	υ
4,4'-DDE	1	ND	0.400	u	•	•	•	•	U	υ
Endosulfan l	1	ND	0.400	**		0		•	•	υ
Dieldrin	į	ND	0.400	11		u		-	91	U
Endrin	į	ND	0.400			40		•	,	υ
4,4'-DDD	1	ND	0.400			11			10	U
Endosulfan 11	1	ND	0.400	•		ŧ	•	•	•	U
4,4'-DDT	"	ND	0.400	p	•	11		•	#	U
Endrin Aldehyde	1	ND	0.400	*		**		•	71	U
Methoxychior	1	ND	0.400	•		ŧı			•	U
Endosulfan Sulfate	ì	ND	0.400	•		*	•	•	•	บ
Endrin Ketone	1	ND	0.400	P		•	•	•	•	U
Chlordane	1	ND	6.70			•	•	•	•	U
Foxaphene	1	ND	8.30	10	•	ø		Ħ		U
Aroclor 1016	1	ND	3.30	17		11			H	Ū
Aroclor 1221	1	ND	3.30	**		17		•	n	Ū
Aroclor 1232	1	ND	3.30		H	44	•	•	N	U
Aroclor 1242	}	ΔN	3.30	•		tr	•	•	п	Ü
Aroclor 1248	1	ďΡ	3.30			u	•		•	บ
Aroclor 1254	ì	ND	3.30			0			•	Ü
Aroclor 1260	t	ND	3.30			4			H	บ
Surrogate: Tetrachloro-meta-x	ylene		94.4 %	82-	123	4	-	•		
Surrogate: Decachlorobipheny	ıl		87.5 %	56-	132			•		

Project: Ventron-Velsicol

2749 Lockport Road

Project Number: Ventron-Velsicol 1007

Niagara Falls NY, 14302

Project Manager: Rick Elia Jr.

Reported: 10/01/09 15:45

### Volatile Organic Compounds by EPA Method 8260B

### Waste Stream Technology

Analyle	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Tilcon I-5 (9124006-01) Soil	Sampled: 09/23/09 10:30 Receiv	red: 09/24/09	10:30				****		
dichlorodifluoromethane	ND	10	ug/kg dry	1	A192802	09/28/09	09/28/09	8260B	į
chloromethane	ND .	10	•	**	v		•	n	1
vinyl chloride	ND	10	*	ŧŧ	ŧ	•		•	ı
bromomethane	ND	10		tr	ti	lt .		•	,
chloroethane	ND	10	•	*	e	•	•	•	ı
trichlorofluoromethane	ND	10	•		19	tr .	•		
1,1-dichloroethene	ND	2		**	*	*	•		Į
acetone	ND	10		**	n	r	•		ı
carbon disulfide	ND	2	•	**	**	**	•	•	1
methylene chloride	9	2		v	n	¥	•		1
Methyl tert-butyl ether	ND	2		11		**	v	n	Į
Acrylonitrile	ND	10		11	•	w	17		ı
trans-1,2-dichloroethene	ND	2	*	11		**	tr .		i
1,1-dichloroethane	ND	2		n		v	e		ı
2-butanone	ND	10		tr.		•		tr	į
cis-1,2-dichloroethene	ND	2	et .	n			U	v	Ţ
chloroform	ND	2		n		*	**	47	ί
1,1,1-trichloroethane	ND	2	0				p	u	Ţ
carbon tetrachloride	ND	2		•				0	į
benzene	ND	2							į
1,2-dichloroethane	ND	2	19	; m					
trichloroethene	ND	2						h	t i
1,2-dichloropropane	ND ND	2		•	,				t
promodichloromethane	ND	2	11		Q				
4-Methyl-2-pentanone (MIBK)		10				•			ī.
cis-1,3-dichloropropene	ND	2			u				τ.
oluene	ND ND	2						•	L.
rans-1,3-dichloropropene	ND	2			u		-	-	U
1.1.2-trichloroethane	ND	2	•					-	i.
etrachloroethene	ND	2			 tr			-	u
libromochloromethane	ND ND	2			v			-	į
.2-dibromoethane	ND	2						-	t
hlorobenzene	ND	2					-	-	ι
,1,1,2-tetrachloroethane	ND ND	2				-	-		U
thylbenzene	ND ND	2				_		_	ì
n_p-xylene	ND ND	4		,				-	ι
n,p-xylene ⊢xylene	ND UN	•			,		t		ι
tyrene		2	-	.,		9	-		ι
romoform	ND	2		9	-			•	t
romotorm Acrolein	ND	2				U	10	-11	υ
	ND	10		o	•	ų	п	v	ι
Methyl Acetate	ND	10	*	4	•	•	•	ŧŧ	U
, 1,2,2-tetrachloroethane	ND	2	ŧŧ	**	•	=		17	U

Waste Stream Technology

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

2749 Lockport Road Niagara Falls NY, 14302 Project Ventron-Velsicol

Project Number: Ventron-Velsicol 1007

Project Manager: Rick Elia Jr.

Reported: 10/01/09 15:45

### Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Tilcon I-5 (9124006-01) Soil Sampled: 09/	23/09 10:30 Receive	d: 09/24/09	10:30						
Tert-butyl alcohol	ND	100	ug/kg dry	ı	A192802	09/28/09	09/28/09	8260B	U
1,2-dibromo-3-chloropropane	ND	10	0		#	•		tt .	U
Surrogate: Dibromofluoromethane		96.9 %	78-11	15	,	"	71		
Surrogate: 1,2-Dichloroethane-d4		106 %	79-11	18				#	
Surrogate: Toluene-d8		101 %	84-11	10		n			
Surrogate: Bromofluorobenzene		101 %	81-11	18	,	*		n	

2749 Lockport Road Niagara Falls NY, 14302 Project: Ventron-Velsicol

Project Number: Ventron-Velsicol 1007

Project Manager: Rick Elia Jr.

Reported: 10/01/09 15:45

### Semivolatile Organic Compounds by EPA Method 8270C

### Waste Stream Technology

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes			
Tilcon I-5 (9124006-01) Soil	Sampled: 09/23/09 10:30 Received: 09/24/09 10:30											
N-Nitrosodimethylamine	ND	67	ug/kg dry	1	AJ92412	09/24/09	09/25/09	8270C	1			
bis(2-chloroethyl)ether	ND	67	<b>N</b>	W	•		*	n	1			
phenol	ND	130	•		•	*	•		1			
2-chlorophenol	ND	130		v			Nr.	tr	į			
1,3-dichlorobenzene	ND	67	•		*		tr	"	1			
1,4-dichlorobenzene	ND	67		tr	•		*	er .	1			
1,2-dichlorobenzene	ND	67	•	D.	Ħ	*	er .	v				
benzyl alcohol	ND	67	•		•	*	*	•	1			
bis(2-chloroisopropyl)ether	ND	67		tr			4		1			
2-methylphenol	ND	67	•	v		*	et	0	,			
hexachloroethane	ND	67		**	tr	*		w	Ţ			
N-Nitrosodi-n-propylamine	ND	67		**	41	b)	**		ì			
3 & 4-methylphenol	ND	130		¥	•	tr	v	н	τ			
nitrobenzene	ND	67	•	#	U		41	-	Ţ			
isophorone	ND	67		*	11	v	Ħ		,			
2-nitrophenol	ND	130	,,		1)	10	n		,			
2,4-dimethylphenol	ND	130		11	19	10	•		ĭ			
Bis(2-chloroethoxy)methane	· ND	67		n	ŧ	10	•		· ·			
enzoic acid	ND	330			•	10			Ţ			
2,4-dichlorophenol	ND	130	u		71	n			l			
,2,4-trichlorobenzene	ND	67			u	•	н		ι			
aphthalene	ND	67	w	*	**	•	u					
l-chloroaniline	ND	67				19	,		l			
nexachlorobutadiene	ND	67			9	11		-	t -			
-chloro-3-methylphenol	ND	130			p	,		-	i.			
-methylnaphthalene	ND	67			*			-	L			
exachlorocyclopentadiene	ND	130					-	-	t.			
,4,6-trichlorophenol	ND ND	130							l			
.4,5-trichlorophenol	ND	67	0				-		l			
-chloronaphthalene	ND	67						-	U			
-nitrosniline	ND ND	67							i.			
cenaphthylene	ND	67	a						U			
Dimethyl phthalate	ND	67					-	,	t			
,6-dinitrotoluene	ND	67	u			•	-	,,	ι			
cenaphthene	ND	67						**	U			
-nitroaniline	ND	67	10					,	t			
,4-dinitrophenol	ND ND	130	 U	,					ι			
ibenzofuran	ND ND	67		,		-		<b>U</b>	U			
4-dinitrotoluene	ND ND	67	11		-			n	ι			
-nitrophenol	ND		,		-	-		u	U			
uorene		130			-			w	U			
-Chlorophenyl phenyl ether	ND	67		7			•	11	U			
- rmorobramiyi buguyi etner	ND	67		n	**	•	w	•	U			

Waste Stream Technology

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

2749 Lockport Road Niagara Falls NY, 14302 Project: Ventron-Velsical

Project Number: Ventron-Velsicol 1007

Project Manager: Rick Elia Jr.

Reported: 10/01/09 15:45

### Semivolatile Organic Compounds by EPA Method 8270C

Analyte	Res	Reporting ult Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Tilcon I-5 (9124006-01) Soil	Sampled: 09/23/09 10:30	Received: 09/24/09	10:30						
Diethyl phthalate	N	D 67	ug/kg dry	ı	A192412	09/24/09	09/25/09	8270C	1
4-nitroaniline	N	D 67		b		77	**	u	1
4,6-Dinitro-2-methylphenol	N	D 130		**	R	u	•	11	1
n-nitrosodiphenylamine	N	D 67		u	1	u	e	v	1
4-bromophenylphenylether	N	D 67	•	**		b	*	**	1
nexachlorobenzene	N	D 67		O.	*	*	•		1
pentachlorophenol	N	D 130	•	17	n	ur .	•	•	1
ohenanthrene	N	D 67	•	W.	•	**			1
anthracene	N	D 67	4	*	,	*	•	0	ı
carbazole	N	D 67	*	•	*1		•	n	1
Di-n-butyl phthalate	N	D 67	11		v		•	•	
penzidine	N	D 330	ч	•	11	•	•		1
luoranthene	N	D 67		•	•		•	n	1
3,3'-Dichlorobenzidine	N	D 67	**	•		•	•	et	1
yrene	N	D 67	U	•	v	•			1
Butyl benzyl phthalate	N	D 67	U		•	•	•		1
lenzo (a) anthracene	N	D 67		•	**		•	•	i
hrysene	N	D 67	*				•		i
is(2-ethylhexyl)phthalate	N	D 67	•				•		1
i-n-octyl phthalate	N	D 67			•		*	•	1
lenzo (b) fluoranthene	N	D 67	H .		ŧı	•			i
enzo (k) fluoranthene	N	D 67		n	n	•	11		i
Benzo (a) pyrene	N	D 67	•	19	•	*	**	•	ì
ndeno (1,2,3-cd) pyrene	N	D 67	•	**		ti	W	P	,
ibenz (a,h) anthracene	Ni	67		b		0		n	,
Benzo (g,h,i) perylene	N	0 67	п				Ħ	19	ì
cetophenone	N	67		U			w		ı
aprolactam	NI	67	•	*		"			ï
,l'-Biphenyl	NI	57	•	,	h		•	•	·
strazine	N	67		•		•			i
enzaldehyde	NI	67		•	u	4		**	ι
2-Diphenylhydrazine	N	67		•	**			•	ί
urrogate: 2-Fluorophenol	···	76.6 %	59-10	ī	-		,	n	
urrogate: Phenol-dó		77.2 %	64-10						
urrogate: Nitrobenzene-d5		81.5 %	58-10						
urrogate: 2-Fluorobiphenyl		81.2 %	67-10				•		
urrogale: 2,4,6-Tribromophen	ol	86.0 %	63-10				·		
urrogate: Terphenyl-d14		71.1 %	38-13	-					

Project: Ventron-Velsicol

2749 Lockport Road

Project Number: Ventron-Velsicol 1007

Niagara Falls NY, 14302

Project Manager: Rick Elia Jr.

Reported: 10/01/09 15:45

### Conventional Chemistry Parameters by EPA Methods

Analyte Tilcon I-5 (9124006-01) Soil	Result Sampled: 09/23/09 10:30 Receive	Reporting Limit d: 09/24/09	Units 10:30	Dilution	Batch	Prepared	Analyzed	Method	Notes
Cyanide (total)	ND	0.50	mg/kg dry	1	A192827	09/28/09	09/28/09	EPA 9014	
рН	6.21	0.10	pH Units	•	AJ90118	16/01/09	10/01/09	EPA 9045C	
% Solids	80.9	0.1	%	•	A192504	09/24/09	09/25/09	% calculation	

 Sevenson Environmental Services
 Project: Ventron-Velsicol

 2749 Lockport Road
 Project Number: Ventron-Velsicol 1007
 Reported:

 Niagara Falls NY, 14302
 Project Manager: Rick Elia Jr.
 10/01/09 15:45

#### **Notes and Definitions**

U Analyte included in the analysis, but not detected at or above the reporting limit.

B Analyte is found in the associated blank as well as in the sample (CLP B-flag).

DET Analyte DETECTED

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

dry Sample results reported on a dry weight basis

RPD Relative Percent Difference

CHAIN OF CUSTODY REPORT TO. SEVENSON	WASTE STR			ONLY QI JYC		PAGE	.OF
JOB 1007	Waste Stream Technic 302 Grate Street, Buffalo,	ology inc.	DUE DATE			ARE SPECIAL DETE	ETINU UNITS
WOOD-RIDGE, NIT	(716) 876-5290 • FAX (71			TURN ABOUN	D TIME	REQUIRED: YES NO If yet please attach	recurstans.
CONTACT RICK ELIA JA	G S	Y CRIMONG WATER A GROUND WATER A SURFACE WATER AN WASTE WATER CH	SUSCUDGE SO SOIL S SOUD W WAPE OTHER	MOTATOUD	AY KUMBER:	la a QC Paciossa an YES NO Kyes please allech i	-
201-933-0019 FAX 81 7 201-933-1996		22	ANALYSES TO	E PERFORME	0		
SEVENSON DE 1007 194793 FROJECT DESCRIPTION	CATE SAMPLED TIME OF SAMPLING SAMPLE TYPE TOTAL NO. OF CA	IN LESSEDATION CLASS	111		///	7	
VENTRON-VELSICOL	CATE SAMPLED TIME OF SAMPLE SAMPLE TYPE TOTAL NO. OF	A 医	///			Type of Container Comments	OFFICE USE ONLY WST. 1.0
1 TILCON I-5	9/20 10:30 50 4	1			2	19-25M JAK	07
2	/-						
3				+ +-			
4				+ -			
5		-   -   -	-	1.1			
8							
9							
10							<u></u>
REMARKS: NEW JERSEY	RESIDENTIA	L CLEX	AN SOIL				-
REINGUSIED SY:		ME:	54 RECEIVED BY		_	9 By b	c (c) 20
RELWOUSHED BY:	DAYS:	MĘ:	RECEIVED BY			BAIE!	E CO. FG

•

õ